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GOVERNMENT OF CANADA

THE DAIRY FACTORY INDUSTRY  
1949

(Prepared in collaboration with Dominion and Provincial Departments)





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## NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Manufactures
- XIII Transportation Equipment
- XIV Non-ferrous Metals Manufactures
- XV Electrical Apparatus
- XVI Non-metallic Mineral Products
- XVII Coke and Gas—Petroleum Refining
- XVIII Chemicals and Allied Products

The present report belongs in Group III. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A General Review
- B The Slaughtering and Meat Packing, and Sausage and Sausage Casings Industries
- C The Dairy Factory Industry
- D The Fish Processing Industry
- E The Fruit and Vegetable Preparations Industry
- F The Flour and Feed Milling Industry
- G The Breakfast Foods Industry
- H The Prepared Stock and Poultry Feeds Industry
- I The Biscuit Industry
- J The Bread and Other Bakery Products Industry
- K The Aerated Waters Industry
- L The Distilled Liquor Industry
- M The Brewing Industry
- N The Wine Industry
- O The Confectionery, Cocoa, Chocolate and Chewing Gum Industries
- P The Sugar Refining Industry
- Q The Malt and Malt Products Industry
- R The Macaroni and Kindred Products Industry
- S The Miscellaneous Foods Industry
- T The Canned Foods Summary

## PREFACE

Annual statistics of dairy factories of Canada are issued by the Dominion Bureau of Statistics in collaboration with the Provincial Departments concerned. The arrangements for co-operation embrace all the provinces but the procedure varies in respect to the collection of returns. For all provinces a uniform schedule is printed by the Dominion Bureau; for Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta and British Columbia the schedules are distributed and the returns collected and revised by the provincial commissioners, the returns being then forwarded to the Bureau for compilation, and the resulting statistics used as desired by both the Dominion and Provincial Departments. In the case of Nova Scotia and Ontario the schedules are distributed and the returns collected, revised and compiled by the Dominion Bureau, the provincial Department of Agriculture furnishing the lists of dairy factories. The Quebec Bureau of Statistics collects and compiles the returns and forwards to the Dominion Bureau the results of the compilations; the original reports of the dairy factories are also placed at the disposal of the Dominion Bureau.

These arrangements ensure uniformity of the dairy statistics issued by the Dominion and Provincial Governments, and avoid the necessity for duplicate inquiries to factory operators.

In this edition, statistics for Quebec, formerly shown by counties, have been grouped into regions in accordance with the Provincial Government's method of publication of agricultural statistics. Statistics for the Prairie Provinces and for British Columbia, formerly shown by Federal Electoral Districts, are now given by Census Divisions as this method will permit of greater comparison with other agricultural statistics.

The Dairy Products Division of the Dominion Department of Agriculture also co-operates, its officers furnishing advice in technical details.

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Dominion Bureau of Statistics,  
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# TABLE OF CONTENTS

	Page
The Dairying Industry of Canada .....	7
The Dairy Factory Industry in 1949 .....	8

## SUMMARY TABLES

1. Principal Statistics of the Dairy Factory Industry, Representative years, 1917 to 1947, and by provinces, 1948 and 1949 .....	9
2. Total Production of Dairy Factories, 1949 .....	10

### Butter and Cheese

3. Production of All Types of Butter, 1948 and 1949 .....	11
4. Production and Value of Creamery Butter, by Provinces and Types of Factories, 1947, 1948 and 1949 .....	11
5. Production of All Types of Whole-Milk Cheese, 1948 and 1949 .....	12
6. Production and Value of Cheddar Cheese, by Provinces and Types of Factories, 1947, 1948 and 1949 .....	13
7. Production, Value and Average Value per lb. of Creamery Butter and Cheddar Cheese, 1900, 1907, 1910 and 1915 to 1949 .....	14

### Concentrated Milk Products

8. Production and Value of Concentrated Milk Products, Canada, 1947, 1948 and 1949 .....	15
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### Miscellaneous Products

9. Miscellaneous Products of Dairy Factories, Canada, 1947, 1948 and 1949 .....	15
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### Materials Used

10. Deliveries of Milk to Dairy Factories, by Provinces, 1948 and 1949 .....	16
11. Deliveries of Cream to Dairy Factories, by Provinces, 1948 and 1949 .....	17
12. Amount Paid to Patrons, by Provinces, 1948 and 1949 .....	18

### Miscellaneous Statistics

13. Number of Establishments by Provinces, 1948 and 1949 .....	19
14. Employment and Salaries and Wages, by Provinces, 1948 and 1949 .....	19
Form of Organization.....	20
15. Conversion Factors .....	20

## DETAILED TABLES

16. Summary Statistics of Dairy Factories, 1949 .....	22
(1) Butter and Cheese Factories .....	22
(2) Concentrated Milk Factories .....	26
17. Quantities and Values of Materials Used and Products Obtained, 1949 .....	28
(1) Butter and Cheese Factories .....	28
(2) Concentrated Milk Factories .....	32
18. Employment by Months in all Dairy Factories (including Condenseries), 1949 .....	34
19. Salaried Employees and Wage Earners by Sex, 1949 .....	34
20. Classification of Dairy Factories According to Time in Operation, 1949 .....	36
21. Classification of Dairy Factories According to Form of Organization, 1949 .....	36

## ICE CREAM

1. Estimated Total Production of Ice Cream, 1944 to 1949 .....	37
2. The Specialized Ice Cream Industry, 1944-1949 .....	37

## PROCESS CHEESE

1. Statistics of the Process Cheese Industry, 1948 and 1949 .....	38
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# THE DAIRY FACTORY INDUSTRY

1949

## THE DAIRY INDUSTRY OF CANADA

Canadian milk production has increased steadily from 10.6 billion pounds in 1920 to 16.8 billion in 1949. The two central provinces, Ontario and Quebec, form the major producing area, and are responsible for 60 to 65 per cent of the total Canadian supply. It is here that more than 50 per cent of Canada's population is concentrated and where the heaviest demand for dairy products occurs. Historically, the central provinces are a deficit butter area and a surplus cheese area. Butter is imported from the Prairie Provinces while the traditional overseas market for cheese is in the United Kingdom. It is in Ontario and Quebec that practically all of Canada's concentrated milk products and a large proportion of the cheese are manufactured.

The great grain-growing area of the three prairie provinces produces between 25 and 30 per cent of Canada's milk. They manufacture their surplus mainly into butter, and export large amounts to the central and coastal provinces for winter consumption.

On the other hand, British Columbia and the Maritime Provinces import butter and some cheese, from other provinces. They produce about 10 per cent of Canada's milk supply.

In the period between 1920 and 1949 Canada's population increased from 8.6 to 13.5 million persons. This growth has been accompanied by a shift of population from rural to urban areas and has resulted in a growing and changing pattern of demand for dairy products. Fluid milk consumption has increased greatly, particularly in the last decade, and the concentrated milk industry has developed into an important phase of dairying. However, the proportion of the milk supply used in the manufacture of cheese has been declining.

Canada's exports of dairy products consist almost entirely of cheese and concentrated milk products, with cheese being the major item both in terms of milk equivalent and dollar value. In recent years, however, the export value of concentrated products has approached that of cheese. Butter has been of minor importance and between 1920 and 1949 exports approximately equalled imports.

**Governmental Assistance to the Industry.** Notes on subsidies paid and the stabilization program, up to the end of October 1945, are given at page 3 of the 1948 edition of this report.

The Department of Agriculture continued paying a premium in 1949, of one cent per pound on all cheddar cheese produced in the Dominion scoring 93 points, and two cents per pound on cheese scoring 94 points or over. The Department of Agriculture has also undertaken during the past few years to encourage the amalgamation of small cheese factories into larger units, by paying a subsidy of 50 per cent of the cost, where two or more cheese factories amalgamate or where they install new cheese processing equipment.

The price of cheese shipped to the British Ministry of Food under the 1949 agreement on a basis of 30 cents per pound, First Grade, f.o.b., was not supplemented by the

Canadian Government apart from the regular premium which was paid and which is referred to in the preceding paragraph of the report.

The Agricultural Prices Support Board supported the price of first grade creamery butter between May 1948 and April 30, 1950 at 58 cents per pound, basis Montreal. From May 1, 1950 to April 30, 1951 the support price will be 53 cents per pound, same basis.

Due to the fact that the 1949 cheese contract with the United Kingdom was filled earlier than anticipated, the Agricultural Prices Support Board bought, up to December 31, 1949, unwaxed white cheddar cheese of standard export size, produced in Ontario and Quebec on and after August 1, 1949. The price for first grade cheese delivered f.o.b. factory was 30 cents per pound.

The Dairy Products Board is buying cheese from producers during 1950 at 28 cents per pound, basis first grade f.a.s. Canadian Seaboard, to fill the contract with the United Kingdom for between 70 and 84.7 million pounds at 25 cents per pound. The difference between the purchase price of 28 cents at which the cheese is bought in Canada and the contract price of 25 cents per pound to the United Kingdom will be made up from funds provided by the Canadian Government. This arrangement is for the year 1950 only and is designed to assist cheese producers in making the adjustment to the lower price level.

Due to the loss of export markets, dried skim milk to a value of one million dollars was purchased from May 21, 1949 by the Agricultural Prices Support Board at 9.5 cents per pound for roller and 10.75 cents per pound for spray, f.o.b. country points.<sup>2</sup>

The Department of Trade and Commerce renders assistance chiefly in matters connected with the marketing abroad of cheese and butter, the control of imports of dairy products, and the publication of statistics.

**Historical Data.** Information regarding the production of milk on Canadian farms was collected for the first time in 1911 (covering production in the year 1910), but an estimate had been made for 1900 which placed production in that year at 6,866,834,000 pounds. In 1910 (census) the production of milk amounted to 9,806,741,348 pounds, in 1920 (census) to 10,976,235,351 pounds, in 1930 (census) to 12,854,323,094 pounds, and in 1940 (census) 15,648,785,757 pounds, an increase since the beginning of the century of 128 per cent. The production of milk in Canada in 1949 is estimated at 16,788,864,000 pounds (preliminary figure).<sup>3</sup>

The statistics in this report relate in the main to the production of dairy factories, although commodity tables showing the production of such items as the total production of butter, including that made on the farm, and the total cheese production, also including farm made cheese, are included as a matter of information. The estimates of these farm-made products are compiled by the Agriculture Division

1. Newfoundland data are not yet available and hence this province is omitted from the discussion.

2. The statements on subsidies and the stabilization program have been contributed by the Dairy Products Board and the Economics Division of the Federal Department of Agriculture.

3. Estimates of the production of milk on Canadian farms and of the production of farm butter and cheese are made for intercensal years by the Agriculture Division of the Dominion Bureau of Statistics.

of the D.B.S. In regard to dairy butter, the Census of 1941 shows a production of 81,701,486 pounds in 1940 and of 808,034 pounds of home-made cheese, these quantities representing respectively 24 per cent and 0.6 per cent of the totals. The estimate of the Agriculture Division for 1949 indicates a production of 52,852,000 pounds of dairy butter. No estimate of farm-made cheese production was made for 1949.

Complete statistics of the production of dairy factories date from 1900, when the total value of the products was \$29,731,922. In 1917, the year when the collection of annual returns of dairy factories was commenced, the value of output was \$93,879,326, while in 1949, the latest year for which statistics are available, the value had mounted to \$409,708,803, a drop of 7 p.c. from the high point reached in 1948.

The per capita consumption of butter in Canada in 1949 is estimated at 23.43 pounds and the consumption of factory cheese at 4.36 pounds.

## THE DAIRY FACTORY INDUSTRY

### Production and Trade in 1949

The total value of the production of butter and cheese factories and condenseries in 1949 was \$409,708,803, a decrease of 6.6 p.c. from the 1948 figure. The quantity of creamery butter produced was lower by 2 p.c. and the value by 14 p.c. in comparison with the production in 1948. The volume of cheddar cheese increased by 31 p.c. and the value by 25 p.c. in comparison with 1948. With few exceptions other items such as concentrated milk products, ice cream and milk and cream sold registered decreases in both volume and value.

There were 1,898 factories in operation in 1949, a decrease of 4.5 p.c. from the 1948 figure and an evidence of the continuation of the trend which has existed since 1917. Employment was afforded to 24,231 persons, an increase of 2 p.c. over the 23,707 registered for 1948.

**Butter.** Creamery butter is the main product of the industry, 279,802,815 lb. being made in 1949, a decrease of 2 p.c. from the 285,630,211 lb. made in 1948. The 1949 value was \$164,989,362, a decrease of 14 p.c. from the 1948 figure.

**Cheese.** The make of cheddar cheese was recorded at 116,915,010 lb., an increase of 31 p.c. over the 89,023,618 lb. recorded for 1948. The 1949 value was \$35,616,775, an increase of 25 p.c. over the \$28,493,050 shown for 1948.

**Concentrated Milk Products.** These commodities are divided into two main classes — whole-milk products and by-products such as condensed, evaporated and powdered skimmed milk and butter-milk, casein, etc. Together these two classes reported 356,827,348 lb. of various products, valued at \$44,101,407. This was a decrease of 8 p.c. in volume and one of 18 p.c. in value from the 1948 figures. Practically all items were in lower production but evaporated skimmed milk powder increased to 10,354,307 lb. from the 6,278,972 lb. recorded for 1948.

**Miscellaneous Products.** Ice cream is the most important of the miscellaneous manufactured products. Ice cream and ice cream mix were valued at \$26,029,837 in 1949, a slight increase over the 1948 value but a decrease in volume of 3 p.c. in ice cream production and of 44 p.c. in that of ice cream mix.

Fluid sales of milk and cream amounted to \$126,347,000 in 1949. This does not include sales by pasteurizing plants that are not classified as manufacturers, but which confine

themselves to the pasteurization and delivery of milk and cream.

Mention might here be made of the product termed "Process" cheese, which is made from ordinary cheddar cheese. The process is stated to consist essentially of grinding the cheese, heating it in a jacketed container with agitation and filling it into the proper receptacles, either directly or with specially designed machinery. The cheese is pasteurized by the heat applied, and the effect is to check fermentation. A secret of the process is to apply this degree of heat and at the same time prevent the fat from "oiling off". The cheese is placed on the market in packages of one-half and one quarter pound and is sold also in bulk. The product varies in firmness, ranging from soft cheese to the fairly solid cheese which can be sliced. In 1949, the production of process cheese amounted to 34,292,087 lb., of which 33,443,465 lb. were made in the industry and 848,622 lb. in dairy factories. Statistics of the industry are given on page 38 of the present volume.

themselves to the pasteurization and delivery of milk and cream.

**Foreign Trade.** Butter is not an important item among Canada's exports. In 1949, the quantity exported amounted to only 1,069,000 lb., a slight increase over the 1948 figure of 882,000 lb. It should be noted that the 1949 figures include only three months exports to Newfoundland. In 1948, the total yearly exports to that country amounted to 355,600 lb. In 1949, Trinidad and Barbados were the chief overseas markets for Canadian butter.

Imports of butter are usually unimportant, although in 1947 and 1948 they amounted to 5,119,000 lb. and 14,395,000 lb., respectively, owing to shortages of the domestic product. In 1949 the imports fell to 1,113,000 lb., nearly all being obtained from Denmark.

Cheese is a regular and important article of export. In 1949 exports amounted to 52,695,000 lb., an increase of 32 p.c. over the 1948 figure. The value was \$16,256,818, or 35 p.c. higher than that of the previous year. The United Kingdom took 95 p.c. of the total exports. Imports rose from \$431,000 in 1948 to \$1,502,000, Switzerland accounting for 52 p.c., the United States and Denmark for 12 p.c. each and Argentina for 9 p.c.

Exports of concentrated milk products were lower than in 1948. In 1949, exports of condensed milk were 15,993,000 lb., valued at \$2,858,000, a drop of 25 p.c. in volume and of 30 p.c. in value from the 1948 position. Trinidad was the main market, taking 29 p.c. of the total, followed by British Malaya, with 22 p.c. The various Caribbean countries were also important markets. Exports of evaporated milk were 20,541,000 lb., valued at \$2,488,000, this being a decrease of 36 p.c. in volume and of 43 p.c. in value. Belgium took 27 p.c., and Peru 16 p.c., of the total quantity exported, the remainder being absorbed by over 40 countries. Whole milk powder was also exported in smaller quantities, the 6,055,000 lb., valued at \$2,683,000, being 19 p.c. in both volume and value below the preceding year. British Malaya received 23 p.c. of the exports. Trinidad, 15 p.c. and Hong Kong 10 p.c. Exports of skim-milk powder slightly more than held their own in volume but were 8 p.c. lower in value. They amounted to 2,938,000 lb., valued at \$3,180,000, and the United States, Palestine and Italy were the three largest markets.

Imports of concentrated milk products continued to be negligible.

TABLE 1. Principal Statistics of the Dairy Factory Industry, Canada, Representative Years, 1917-1947, and by Provinces, 1948-1949

Data include butter and cheese factories and condenseries. Statistics of the process cheese and specialized ice cream industries are given on pages 37 and 38 of this report.

Year	Establishments	Employees	Salaries and Wages	Cost of Materials Used	Value of Production
	No.	No.	\$	\$	\$
1917 .....	3,418	10,346	5,447,346	78,266,807	93,879,326
1920 .....	3,161	11,072	8,968,089	122,450,840	146,336,491
1922 .....	3,095	11,156	9,351,329	80,773,029	104,972,046
1925 .....	3,012	11,334	11,518,198	107,628,394	138,282,226
1926 .....	3,047	12,069	12,398,490	101,402,837	133,353,076
1928 .....	2,833	12,257	12,809,102	109,589,676	144,373,614
1932 .....	2,734	12,653	12,188,314	55,659,510	86,105,802
1938 .....	2,552	18,171	17,451,566	103,143,588	140,849,356
1939 .....	2,551	18,302	17,556,727	96,552,307	135,812,795
1944 .....	2,308	19,931	27,367,049	192,292,409	248,806,528
1945 .....	2,270	20,893	29,063,462	197,450,132	258,984,544
1946 .....	2,194	21,125	30,955,685	203,721,131	270,305,506
1947 .....	2,068	22,326	35,062,174	271,480,655	352,373,109
1948					
Prince Edward Island .....	24	161	221,354	3,220,162	3,739,618
Nova Scotia .....	26	660	968,450	6,544,327	9,112,776
New Brunswick .....	34	474	710,403	6,491,793	8,268,431
Quebec .....	865	6,230	10,463,280	105,444,308	128,159,591
Ontario .....	736	9,624	17,343,414	128,888,222	168,991,743
Manitoba .....	88	1,686	3,163,002	22,936,284	29,031,980
Saskatchewan .....	70	1,535	2,521,831	26,224,826	32,099,930
Alberta .....	110	1,732	2,861,308	27,930,513	34,409,977
British Columbia .....	35	1,605	3,242,550	18,517,392	24,682,110
<b>Totals .....</b>	<b>1,988</b>	<b>23,707</b>	<b>41,515,592</b>	<b>346,197,827</b>	<b>438,496,356</b>
1949					
Prince Edward Island .....	23	161	255,443	3,136,907	3,646,979
Nova Scotia .....	24	661	1,043,478	6,486,787	9,090,389
New Brunswick .....	34	513	775,921	6,330,052	8,384,892
Quebec .....	817	6,528	10,844,015	95,215,371	118,178,048
Ontario .....	706	9,578	18,923,839	119,832,780	159,377,574
Manitoba .....	84	1,740	3,315,722	19,695,179	26,108,071
Saskatchewan .....	67	1,439	2,639,470	22,217,260	27,844,590
Alberta .....	109	1,791	3,339,752	25,886,174	32,522,975
British Columbia .....	34	1,820	3,935,068	17,429,662	24,555,285
<b>Totals .....</b>	<b>1,898</b>	<b>24,231</b>	<b>45,072,708</b>	<b>316,230,172</b>	<b>409,708,803</b>

TABLE 2. Total Production of Dairy Factories, 1949

Province	Creamery butter		Cheddar cheese		Condensed skim milk		Skim milk powder	
	lb.	\$	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island .....	4,851,750	2,938,140	746,392	238,705	—	—	—	—
Nova Scotia .....	6,282,621	4,028,812	—	—	—	—	—	—
New Brunswick .....	7,673,652	4,823,786	872,711	261,219	—	—	—	1
Quebec .....	93,622,785	55,087,056	24,800,689	7,530,985	—	1	29,741,101	2,872,749
Ontario .....	74,596,782	44,617,109	85,004,589	25,775,669	—	1	30,321,051	3,332,670
Manitoba .....	24,418,615	14,082,579	1,822,329	604,850	—	1	—	1
Saskatchewan .....	31,749,845	17,995,780	389,136	126,286	—	—	—	1
Alberta .....	31,996,243	18,581,450	2,780,883	925,177	—	—	583,180	68,071
British Columbia .....	4,610,522	2,834,650	498,281	153,884	—	—	—	1
<b>Totals .....</b>	<b>279,802,815</b>	<b>164,989,362</b>	<b>116,915,010</b>	<b>35,616,775</b>	<b>4,279,354</b>	<b>411,591</b>	<b>64,298,605</b>	<b>6,728,356</b>
	Condensed Milk				Evaporated Milk			
	Case goods		Bulk goods		Case goods		Bulk goods	
	lb.	\$	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island .....	—	—	—	—	—	—	—	—
Nova Scotia .....	—	1	—	—	—	1	—	—
New Brunswick .....	—	—	—	—	—	—	—	—
Quebec .....	—	1	—	1	72,529,157	8,024,028	6,579,215	617,303
Ontario .....	—	1	—	1	100,316,127	11,326,461	141,342	13,525
Manitoba .....	—	—	—	1	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	1	—	—
British Columbia .....	—	—	—	—	—	1	—	—
<b>Totals .....</b>	<b>15,737,000</b>	<b>2,708,705</b>	<b>7,805,993</b>	<b>1,214,434</b>	<b>224,570,464</b>	<b>25,748,176</b>	<b>6,720,557</b>	<b>630,828</b>
	Milk powder		Whey butter		Casein		Ice cream	
	lb.	\$	lb.	\$	lb.	\$	gal.	\$
Prince Edward Island .....	—	—	—	—	—	—	145,185	190,075
Nova Scotia .....	—	—	—	—	—	—	865,553	1,434,043
New Brunswick .....	—	—	—	—	—	—	858,267	1,216,757
Quebec .....	2,909,059	855,734	258,844	116,260	—	1	3,288,607	4,955,403
Ontario .....	10,198,625	3,931,329	2,073,897	957,924	—	1	6,602,282	9,550,307
Manitoba .....	—	—	36,889	19,901	—	—	1,438,218	1,796,744
Saskatchewan .....	—	—	—	—	—	—	1,422,881	1,946,836
Alberta .....	—	—	16,079	7,272	—	—	1,375,888	1,939,760
British Columbia .....	—	—	8,840	4,919	—	1	873,066	1,303,601
<b>Totals .....</b>	<b>13,107,684</b>	<b>4,787,063</b>	<b>2,394,549</b>	<b>1,106,276</b>	<b>3,537,888</b>	<b>749,314</b>	<b>16,869,947</b>	<b>24,333,526</b>
	Whole milk sold		Cream sold		Buttermilk sold	Whey cream sold	Sundry <sup>2</sup>	Total Value
	gal.	\$	lb. of butter fat	\$	\$	\$	\$	\$
Prince Edward Island .....	341,278	207,063	60,226	50,764	10,034	—	12,198	3,646,979
Nova Scotia .....	3,213,991	2,217,519	464,255	430,512	12,297	—	967,206	9,090,389
New Brunswick .....	2,630,679	1,756,079	240,111	253,425	3,617	—	70,009	8,384,892
Quebec .....	43,241,752	26,077,188	8,178,559	8,182,773	103,871	14,606	3,740,092	118,178,048
Ontario .....	55,114,805	35,353,544	13,939,988	12,898,978	480,637	405,324	10,734,097	159,377,574
Manitoba .....	10,833,429	6,976,452	1,677,054	2,095,965	64,371	11,288	455,921	26,108,071
Saskatchewan .....	8,158,877	4,938,864	1,613,859	1,531,763	27,733	—	1,277,328	27,844,590
Alberta .....	9,954,251	6,570,905	2,015,137	2,101,419	74,465	9,385	2,245,071	32,522,975
British Columbia .....	17,511,191	11,114,349	2,668,879	3,589,091	87,768	—	5,467,023	24,555,285
<b>Totals .....</b>	<b>151,000,253</b>	<b>95,211,963</b>	<b>30,858,068</b>	<b>31,134,690</b>	<b>864,793</b>	<b>440,603</b>	<b>24,968,945</b>	<b>409,708,803</b>

1. Included in "Sundry".

2. The total for Canada does not agree with the addition of figures for the provinces as certain items which are shown separately for Canada are included for the provinces in the classification of "Sundry".

## BUTTER

Table 3 shows the total production of all types of butter, including an estimate for that made on the farm, which is shown below under the heading "Dairy". The statistics in this table

are taken from the publications of the Agriculture Division of the Bureau.

TABLE 3. Production of All Types of Butter, 1948-1949

(In thousands of pounds)

Province	1948				1949			
	Creamery	Dairy	Whey	Total	Creamery	Dairy	Whey	Total
Prince Edward Island.....	4,472	652	—	5,124	4,852	606	—	5,458
Nova Scotia.....	6,053	2,912	—	8,965	6,283	2,734	—	9,017
New Brunswick.....	7,329	5,317	—	12,646	7,674	4,242	—	11,916
Quebec.....	96,783	9,974	76	106,833	93,623	8,157	259	102,039
Ontario.....	74,727	9,880	1,701	86,308	74,597	7,400	2,074	84,071
Manitoba.....	25,402	6,697	41	32,140	24,419	5,997	37	30,453
Saskatchewan.....	34,116	15,980	—	50,096	31,750	13,820	—	45,570
Alberta.....	32,421	9,834	16	42,271	31,996	8,638	16	40,650
British Columbia.....	4,326	1,599	9	5,934	4,611	1,258	9	5,878
<b>Totals.....</b>	<b>285,629</b>	<b>62,845</b>	<b>1,843</b>	<b>350,317</b>	<b>279,805</b>	<b>52,852</b>	<b>2,395</b>	<b>335,052</b>

## CREAMERY BUTTER

The production of creamery butter in 1949 showed a decline of 5,827,396 lb., or 2 p.c., and the value one of \$27,021,592, or 14 p.c., as compared with 1948. The average value per pound was 58.97 cents, a decline of 12.3 p.c. in the year. The percentages of the total production, by provinces,

with those for 1948 in parentheses, were: Quebec, 33.5 (33.9); Ontario, 26.7 (26.1); Saskatchewan, 11.4 (11.9); Alberta, 11.4 (11.3); Manitoba, 8.7 (9.0); New Brunswick, 2.7 (2.6); Nova Scotia, 2.2 (2.1); Prince Edward Island, 1.7 (1.6); British Columbia, 1.7 (1.5).

TABLE 4. Production and Value of Creamery Butter, 1947-1949

Province	Production in All Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island.....	3,657,480	2,003,373	4,472,481	3,064,594	4,851,750	2,938,140
Nova Scotia.....	6,689,566	3,752,971	6,053,495	4,368,707	6,282,621	4,028,812
New Brunswick.....	6,913,176	3,756,903	7,329,465	5,091,837	7,673,652	4,823,786
Quebec.....	97,370,819	51,418,404	96,782,655	65,147,268	93,622,785	55,087,056
Ontario.....	77,160,031	40,799,255	74,726,857	51,289,217	74,596,782	44,617,109
Manitoba.....	26,340,011	13,683,250	25,401,916	16,639,205	24,418,615	14,082,579
Saskatchewan.....	36,330,105	18,434,572	34,116,369	22,231,334	31,749,845	17,995,780
Alberta.....	32,052,332	16,409,027	32,421,471	21,246,012	31,996,243	18,581,450
British Columbia.....	4,439,171	2,677,315	4,325,502	2,932,780	4,610,522	2,834,650
<b>Totals.....</b>	<b>290,952,691</b>	<b>152,935,070</b>	<b>285,630,211</b>	<b>192,010,954</b>	<b>279,802,815</b>	<b>164,989,362</b>

TABLE 4. Production and Value of Creamery Butter, 1947-1949 - Concluded

Province	Production in Creameries					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island.....	3,567,309	1,956,484	4,363,429	2,989,348	4,751,012	2,876,690
Nova Scotia.....	6,689,566	3,752,971	6,053,495	4,368,707	6,282,621	4,028,812
New Brunswick.....	6,913,176	3,756,903	7,329,465	5,091,837	7,512,961	4,719,406
Quebec.....	89,881,634	47,432,916	90,373,228	60,810,546	81,554,401	48,014,869
Ontario.....	71,681,853	37,961,810	69,600,584	47,734,062	67,829,399	40,625,866
Manitoba.....	26,288,827	13,657,627	25,358,846	16,611,554	24,364,884	14,051,415
Saskatchewan.....	36,330,105	18,434,572	34,116,369	22,231,334	30,671,556	17,387,146
Alberta.....	31,536,885	16,155,344	31,899,292	20,905,886	31,437,356	18,260,000
British Columbia.....	4,427,921	2,671,538	4,317,020	2,926,758	4,602,757	2,829,380
<b>Totals.....</b>	<b>277,319,276</b>	<b>145,780,167</b>	<b>273,411,728</b>	<b>183,670,032</b>	<b>259,006,947</b>	<b>152,793,584</b>
	Production in Combined Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island.....	90,171	46,889	109,052	75,246	100,738	61,450
New Brunswick.....	-	-	-	-	160,691	104,380
Quebec.....	7,286,120	3,886,246	4,434,804	2,999,635	7,944,084	4,674,752
Ontario.....	4,366,450	2,218,973	3,907,228	2,686,478	5,560,610	3,279,748
Manitoba.....	51,184	25,623	43,070	27,651	53,731	31,164
Saskatchewan.....	-	-	-	-	1,078,289	608,634
Alberta.....	513,447	253,683	522,179	340,126	558,887	321,450
British Columbia.....	11,250	5,777	8,482	6,022	7,765	5,270
<b>Totals.....</b>	<b>12,318,622</b>	<b>6,437,191</b>	<b>9,024,815</b>	<b>6,135,158</b>	<b>15,464,795</b>	<b>9,086,848</b>
	Production in Concentrated Milk Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Quebec.....	203,065	99,240	1,974,623	1,337,087	4,124,300	2,397,435
Ontario.....	1,111,728	618,472	1,219,045	868,677	1,206,773	711,495
<b>Totals.....</b>	<b>1,314,793</b>	<b>717,712</b>	<b>3,193,668</b>	<b>2,205,764</b>	<b>5,331,073</b>	<b>3,108,930</b>

## CHEESE

Table 5 shows the total primary production of whole-milk cheese, including an estimate for that made on the farm. The term 'other factory cheese' includes cream cheese reported by both dairy factory operators and that reported by manufacturers of process cheese, together with special types reported by dairy factories. The making of process cheese from a cheddar

base is regarded as a separate industry and the production of this type is not included in this table. For statistics of the process cheese industry see page 38.

The statistics in this table are taken from the publications of the Agriculture Division of the Bureau.

TABLE 5. Production of all Types of Whole-Milk Cheese, 1948-1949  
(In thousands of pounds)

	1948				1949			
	Cheddar	Other Factory	Farm made	Total	Cheddar	Other Factory	Farm made	Total
Maritime Provinces.....	1,466	-	34	1,500	1,619	-	1	1,619
Quebec.....	13,599	2,880	30	16,509	24,801	2,305	1	27,106
Ontario.....	68,157	2,003	154	70,314	85,005	1,747	1	86,752
Western Provinces.....	5,803	40	512	6,355	5,490	27	1	5,517
<b>Totals.....</b>	<b>89,025</b>	<b>4,923</b>	<b>730</b>	<b>94,678</b>	<b>116,915</b>	<b>4,079</b>	<b>1</b>	<b>120,994</b>

1. No estimate was made for 1949 production.

CHEDDAR CHEESE

The production of Cheddar Cheese in 1949 increased by 31 p.c. over the 1948 figure but the value rose by only 25 p.c., the average price per pound having fallen from 32.01 cents to

30.46 cents. Ontario accounted for 73 p.c. of the total production, followed by Quebec with 21 p.c.

TABLE 6. Production and Value of Cheddar Cheese, 1947-1949

Province	Production in All Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island .....	663,854	202,558	708,749	249,690	746,392	238,705
New Brunswick .....	743,366	205,659	756,964	265,370	872,711	261,219
Quebec .....	24,061,817	6,062,584	13,599,004	4,268,680	24,800,689	7,530,985
Ontario .....	89,085,956	22,719,515	68,156,620	21,698,977	85,004,589	25,775,669
Manitoba .....	3,457,531	1,024,344	2,530,541	867,845	1,822,329	604,850
Saskatchewan .....	328,092	97,385	274,628	97,311	389,136	126,286
Alberta .....	3,077,906	901,163	2,566,003	894,257	2,780,883	925,177
British Columbia .....	533,300	146,642	431,109	150,920	498,281	153,884
<b>Totals .....</b>	<b>121,951,822</b>	<b>31,359,850</b>	<b>89,023,618</b>	<b>28,493,050</b>	<b>116,915,010</b>	<b>35,616,775</b>
	Production in Cheese Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island .....	590,637	180,593	641,115	225,680	685,087	218,781
New Brunswick .....	743,366	205,659	756,964	265,370	837,893	250,736
Quebec .....	12,000,967	2,995,801	8,200,487	2,575,212	9,899,398	3,023,107
Ontario .....	85,033,526	21,663,336	65,186,463	20,723,666	80,879,584	24,525,961
Manitoba .....	3,449,378	1,022,143	2,521,811	864,571	1,816,451	802,499
Saskatchewan .....	328,092	97,385	274,628	97,311	315,378	102,315
Alberta .....	2,711,227	793,738	2,233,154	779,096	2,486,405	826,070
British Columbia .....	52,806	16,000	16,042	5,647	32,393	11,509
<b>Totals .....</b>	<b>104,909,999</b>	<b>26,974,655</b>	<b>79,830,664</b>	<b>25,536,553</b>	<b>96,952,589</b>	<b>29,560,978</b>
	Production in Combined Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Prince Edward Island .....	73,217	21,965	67,634	24,010	61,305	19,924
New Brunswick .....	—	—	—	—	34,818	10,483
Quebec .....	12,060,850	3,066,783	5,398,517	1,693,468	14,901,291	4,507,878
Ontario .....	3,930,778	1,024,949	2,970,157	975,311	3,892,987	1,180,651
Manitoba .....	8,153	2,201	8,730	3,274	5,878	2,351
Saskatchewan .....	—	—	—	—	73,758	23,971
Alberta .....	366,679	107,425	332,849	115,161	294,478	99,107
British Columbia .....	480,494	130,642	415,067	145,273	465,888	142,375
<b>Totals .....</b>	<b>16,920,171</b>	<b>4,353,965</b>	<b>9,192,954</b>	<b>2,956,497</b>	<b>19,730,463</b>	<b>5,986,740</b>
	Production in Concentrated Milk Factories					
	1947		1948		1949	
	lb.	\$	lb.	\$	lb.	\$
Ontario .....	121,652	31,230	—	—	232,018	69,057
<b>Totals .....</b>	<b>121,652</b>	<b>31,230</b>	<b>—</b>	<b>—</b>	<b>232,018</b>	<b>69,057</b>

TABLE 7. Production, Value and Average Value per Pound of Creamery Butter and Cheddar Cheese, 1900, 1907, 1910, and 1915 to 1949

Year	Dairy Factories	Creamery Butter			Cheddar Cheese		
		Quantity	Value	Average value per lb.	Quantity	Value	Average value per lb.
		No.	lb.	\$	cents	lb.	\$
1900.....	3, 576	36, 066, 739	7, 240, 972	20. 07	220, 833, 269	22, 221, 430	10. 06
1907.....	3, 515	45, 930, 294	10, 949, 062	23. 83	204, 788, 583	23, 597, 639	11. 52
1910.....	3, 625	64, 489, 398	15, 597, 807	24. 18	199, 904, 205	21, 587, 124	10. 79
1915.....	3, 513	83, 991, 453	24, 385, 052	29. 03	183, 887, 837	27, 097, 176	14. 73
1916.....	3, 446	82, 564, 130	26, 966, 355	32. 66	192, 968, 597	35, 512, 622	18. 40
1917.....	3, 418	87, 526, 939	34, 274, 218	39. 15	194, 904, 336	41, 180, 623	21. 12
1918.....	3, 373	93, 298, 238	41, 859, 156	44. 86	174, 878, 313	39, 456, 532	22. 56
1919.....	3, 282	103, 890, 707	56, 371, 985	54. 26	166, 421, 871	44, 586, 168	26. 79
1920.....	3, 161	111, 691, 718	63, 625, 203	56. 96	149, 201, 856	39, 100, 872	26. 20
1921.....	3, 114	128, 744, 610	48, 135, 439	37. 38	162, 117, 494	28, 710, 030	17. 70
1922.....	3, 095	152, 501, 900	53, 453, 282	35. 05	135, 821, 116	21, 824, 760	16. 06
1923.....	3, 007	162, 834, 608	56, 873, 510	34. 93	151, 624, 376	28, 645, 192	18. 89
1924.....	2, 933	178, 893, 937	60, 494, 826	33. 82	149, 707, 530	24, 201, 923	16. 17
1925.....	3, 012	169, 494, 967	63, 008, 097	37. 17	177, 139, 113	36, 571, 556	20. 65
1926.....	3, 047	177, 209, 287	61, 753, 390	34. 85	171, 731, 631	28, 807, 841	16. 77
1927.....	2, 899	176, 978, 947	65, 709, 986	37. 13	138, 056, 908	25, 522, 148	18. 49
1928.....	2, 833	168, 027, 039	64, 702, 538	38. 51	144, 584, 619	30, 494, 463	21. 09
1929.....	2, 797	170, 810, 230	65, 929, 782	38. 60	118, 746, 286	21, 471, 330	18. 08
1930.....	2, 724	185, 751, 061	56, 670, 504	30. 51	119, 105, 203	18, 089, 870	15. 19
1931.....	2, 702	225, 955, 246	50, 198, 878	22. 22	113, 956, 639	12, 824, 695	11. 25
1932.....	2, 734	214, 002, 127	40, 475, 479	18. 91	120, 524, 243	11, 379, 922	9. 44
1933.....	2, 716	219, 232, 546	43, 546, 109	19. 86	111, 146, 493	11, 127, 984	10. 01
1934.....	2, 653	234, 852, 961	48, 168, 592	20. 51	99, 346, 617	9, 797, 588	9. 86
1935.....	2, 610	240, 918, 799	52, 228, 133	21. 68	100, 427, 390	10, 570, 309	10. 53
1936.....	2, 595	250, 931, 777	57, 662, 160	22. 98	119, 123, 483	15, 565, 813	13. 07
1937.....	2, 592	247, 056, 746	64, 217, 332	25. 99	130, 625, 838	17, 965, 123	13. 75
1938.....	2, 552	267, 347, 271	66, 534, 568	24. 89	134, 971, 308	16, 809, 861	13. 56
1939.....	2, 551	267, 612, 546	61, 748, 399	23. 07	125, 475, 359	15, 311, 782	12. 20
1940.....	2, 509	264, 723, 669	64, 908, 981	24. 52	144, 685, 356	18, 739, 284	13. 64
1941.....	2, 452	285, 848, 196	93, 199, 557	32. 60	151, 865, 538	24, 737, 037	16. 29
1942.....	2, 404	284, 591, 372	97, 740, 910	34. 34	206, 215, 228	41, 048, 215	19. 91
1943.....	2, 340	311, 709, 476	105, 103, 734	33. 72	165, 527, 733	33, 550, 326	20. 27
1944.....	2, 308	298, 777, 262	101, 534, 710	33. 98	180, 080, 686	36, 314, 981	20. 17
1945.....	2, 270	293, 782, 846	101, 398, 478	34. 51	186, 757, 009	37, 885, 479	20. 29
1946.....	2, 194	271, 464, 399	105, 441, 401	38. 84	146, 087, 371	30, 374, 821	20. 80
1947.....	2, 068	290, 952, 691	152, 935, 070	52. 56	121, 951, 822	31, 359, 850	25. 71
1948.....	1, 988	285, 630, 211	192, 010, 954	67. 22	89, 023, 618	28, 493, 050	32. 01
1949.....	1, 898	279, 802, 815	164, 989, 362	58. 97	116, 915, 010	35, 616, 775	30. 46

## CONCENTRATED MILK PRODUCTS

The condensery industry is centred in Ontario, 20 of the 36 plants being in that province. Quebec reported 10 plants, Alberta and British Columbia 2 each, and Nova Scotia and Saskatchewan 1 each. A small amount of concentrated milk is manufactured in creameries and this is included in Table 8 with the product of the condenseries proper. In the general tables of this report the condenseries are placed in a separate group, as distinct from the butter and cheese factories.

The figures in Table 8 are not comparable in some respects with those published by the Agriculture Division of the Bureau, the 1949 statistics of evaporated whole milk bulk, whole milk powder roller process and condensed buttermilk, for example, being lower than those published by the Agriculture Division, which receives reports from a few firms making these products outside the dairy factory industry.



TABLE 8. Production and Value of Concentrated Milk Products, 1947-1949

Concentrated Whole Milk Products	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$	lb.	\$
Condensed whole milk (sweetened):						
Case goods .....	21,931,369	3,553,303	27,460,922	4,779,000	15,737,000	2,708,705
Bulk goods .....	7,141,920	984,628	7,639,383	1,213,839	7,805,993	1,214,454
Evaporated whole milk (unsweetened):						
Case goods .....	205,957,127	20,088,654	243,042,187	29,248,952	224,570,464	25,748,176
Bulk goods .....	5,731,467	554,610	6,958,110	830,934	6,720,557	630,828
Whole milk powder:						
Spray process .....	10,506,517	3,777,758	13,289,375	5,284,750	9,420,950	3,371,913
Roller process .....	3,664,586	1,242,861	3,613,500	1,488,801	3,686,734	1,415,150
Cream powder .....	12,449	4,586	24,403	13,176	24,934	13,713
<b>Totals .....</b>	<b>254,945,435</b>	<b>30,206,400</b>	<b>302,027,880</b>	<b>42,859,452</b>	<b>267,966,632</b>	<b>35,102,939</b>
Concentrated Milk By-Products	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$	lb.	\$
Condensed skim milk .....	4,238,876	397,927	4,910,766	577,528	4,279,354	411,591
Evaporated skim milk .....	3,781,462	184,463	6,278,972	284,597	10,354,307	487,142
Skim milk powder:						
Spray process .....	19,052,176	2,693,673	21,842,476	3,293,392	28,215,305	3,364,386
Roller process .....	34,819,447	4,160,019	42,177,893	5,299,889	33,660,278	3,153,058
Feed .....	—	—	—	—	2,423,022	210,912
Condensed buttermilk .....	379,802	12,999	326,785	10,832	281,254	9,411
Buttermilk powder .....	3,950,039	366,740	4,882,337	454,837	4,685,108	364,948
Casein .....	10,109,606 <sup>2</sup>	2,220,747 <sup>2</sup>	4,921,215	1,162,822	3,537,888	749,314
Sugar of milk .....	505,609	78,623	1,115,516	147,730	1,424,200	247,706
<b>Totals .....</b>	<b>76,837,017</b>	<b>10,115,191</b>	<b>86,455,960</b>	<b>11,231,627</b>	<b>88,360,716</b>	<b>8,998,468</b>

1. Prior to 1949 included with roller process.  
 2. Includes 2,241,090 lbs. of green casein valued at \$304,268.

MISCELLANEOUS PRODUCTS

The most important miscellaneous products, in point of value, are the milk and cream sold. The figures in Table 9 do not represent the total sales of fluid milk or cream in Canada, but only those of firms reporting to the Census of Industry as manufacturers. Sales of these products by pasteurizing plants that do not manufacture butter or cheese are not included. Statistics on the total disposition of fluid milk and cream may be found in the publications of the Agriculture Division of the Bureau.

Ice cream is the next most important miscellaneous product of the dairy factory industry, which makes about two-thirds of all the ice cream made in Canada. However, the confectionery and specialized ice cream industries also make a good deal of ice cream and statistics of the estimated total production of this commodity, prepared by the Agriculture Division, have been included at page 37 of this report, immediately preceding the statistics of the specialized ice cream industry.

TABLE 9. Miscellaneous Products of Dairy Factories, 1947-1949

Kind	1947		1948		1949	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Whey butter .....	2,226,010 lb.	1,032,537	1,843,112	1,124,829	2,394,549	1,106,276
Ice cream .....	14,089,393 gal.	18,260,344	17,401,142	24,460,238	16,869,947	24,333,526
Milk sold .....	131,355,501 gal.	73,152,304	158,514,043	96,280,595	151,000,253	95,211,963
Cream sold (lb. butter fat) .....	28,843,175	24,314,313	28,987,009	30,362,292	30,858,068	31,134,690
Chocolate milk sold .....	2,723,301 gal.	1,749,234	2,871,566	2,071,839	2,750,027	2,032,635
Ice cream mix .....	1,574,052 gal.	2,010,304	1,959,667	2,804,386	1,105,949	1,696,311
Cottage cheese .....	5,002,108 lb.	680,564	4,952,624	673,227	5,827,450	827,921
Buttermilk sold .....	—	671,863	—	779,190	—	864,793
Whey cream sold .....	—	391,106	—	428,017	—	440,603
Skim milk sold .....	—	472,616	—	710,057	—	936,089
Sundry .....	—	5,021,413	—	4,206,603	—	6,416,452
<b>Totals .....</b>	<b>—</b>	<b>127,756,598</b>	<b>—</b>	<b>163,901,273</b>	<b>—</b>	<b>165,001,259</b>

## MATERIALS USED

Table 10 shows deliveries of milk to each type of dairy factory, while Table 11 gives the same information in regard to cream.

The value of other materials and supplies entering into the finished product is shown in Table 16, page 22.

**The Milk Equivalent of the Total Deliveries of Milk and Cream.** The milk equivalent of the quantities of milk and butter-fat in cream delivered to the factories during the year 1949 was 11,303,421,000 lb., compared with 11,190,737,000 pounds in 1948. In reducing the butter-fat content of the cream to milk, the proportion of 3.5 pounds of butter-fat to 100 pounds of milk is used.

The bulk of the milk (including the equivalent in milk of the cream) is used in manufacture, but there is also a considerable quantity supplied to meet the requirements of the fresh milk and cream trade of the industry. In 1949 the manufacture of butter, cheese, concentrated milk and other manufactures absorbed 78 per cent of the total milk equivalent of the milk and cream delivered to the factories, while the equivalent of the milk and cream sold as such, accounts for the remaining 22 per cent.

**Milk.** The milk delivered to all factories in 1949 amounted to 4,960,283,000 pounds, an increase over the preceding year of 121,829,000 pounds or 2.5 per cent. By percentage the total quantity is divided among the various kinds of factories as follows: to creameries 47 per cent; to cheese factories 24 per cent; to combined butter and cheese factories 7 per cent; and to concentrated milk factories 22 per cent.

TABLE 10. Deliveries of Milk to Dairy Factories, 1948-1949

Province	To Creameries		To Cheese Factories		To Combined Factories	
	1948	1949	1948	1949	1948	1949
	lb.	lb.	lb.	lb.	lb.	lb.
Prince Edward Island.....	2, 079, 373	2, 257, 582	6, 938, 462	7, 415, 808	2, 960, 872	3, 073, 281
Nova Scotia .....	39, 601, 217	41, 321, 363	—	—	—	—
New Brunswick .....	25, 112, 863	27, 574, 059	8, 415, 563	9, 446, 765	—	955, 498
Quebec .....	1, 006, 661, 415	798, 771, 482	103, 005, 960	133, 615, 457	120, 783, 205	223, 011, 388
Ontario .....	817, 650, 520	831, 558, 213	831, 029, 169	984, 223, 983	47, 888, 787	90, 428, 723
Manitoba .....	123, 825, 233	126, 069, 578	42, 109, 733	36, 346, 922	562, 722	461, 378
Saskatchewan .....	106, 639, 966	100, 252, 924	2, 794, 082	3, 349, 185	—	6, 331, 521
Alberta .....	108, 953, 301	120, 724, 843	30, 023, 150	30, 194, 574	4, 132, 507	3, 947, 093
British Columbia .....	291, 729, 914	277, 854, 744	230, 767	432, 541	6, 947, 187	7, 806, 000
<b>Totals.....</b>	<b>2, 522, 303, 802</b>	<b>2, 326, 384, 788</b>	<b>1, 024, 546, 886</b>	<b>1, 205, 025, 235</b>	<b>183, 275, 280</b>	<b>336, 014, 882</b>
	To All Butter and Cheese Factories		To Concentrated Milk Factories		To All Dairy Factories	
	1948	1949	1948	1949	1948	1949
	lb.	lb.	lb.	lb.	lb.	lb.
Prince Edward Island.....	11, 978, 707	12, 746, 671	—	—	11, 978, 707	12, 746, 671
Nova Scotia .....	39, 601, 217	41, 321, 363	1	1	1	1
New Brunswick .....	33, 528, 426	37, 976, 322	—	—	33, 528, 426	37, 976, 322
Quebec .....	1, 230, 450, 580	1, 155, 398, 327	320, 712, 947	372, 365, 494	1, 551, 163, 527	1, 527, 763, 821
Ontario .....	1, 696, 568, 476	1, 906, 210, 919	675, 225, 286	605, 055, 381	2, 371, 793, 762	2, 511, 266, 300
Manitoba .....	166, 497, 688	162, 877, 878	—	—	166, 497, 688	162, 877, 878
Saskatchewan .....	109, 484, 048	109, 933, 630	1	1	1	1
Alberta .....	143, 108, 958	154, 866, 510	1	1	1	1
British Columbia .....	298, 907, 868	286, 093, 285	1	1	1	1
<b>Totals .....</b>	<b>3, 730, 125, 968</b>	<b>3, 867, 424, 905</b>	<b>1, 108, 328, 098</b>	<b>1, 092, 858, 552</b>	<b>4, 838, 454, 066</b>	<b>4, 960, 283, 457</b>

1. Not shown separately but included in Canada total.

**Cream.** The cream delivered to the factories is measured according to its butter-fat content. In 1949 the total amount of butter-fat in the cream amounted to 222,009,824 pounds, a decrease of 320,085 from the year 1948. Of the total butter-fat

content, the creameries received 95 per cent; the combined butter and cheese factories 4 per cent; and the concentrated milk plants 1 per cent.

**TABLE 11. Deliveries of Cream to Dairy Factories, 1948-1949**

Province	To Creameries		To Combined Factories		To all Butter and Cheese Factories	
	1948	1949	1948	1949	1948	1949
	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat
Prince Edward Island .....	3,558,087	3,895,705	109,506	139,031	3,667,593	4,034,736
Nova Scotia .....	5,677,966	5,851,196	-	-	5,677,966	5,851,196
New Brunswick .....	6,490,742	6,721,723	-	143,527	6,490,742	6,865,250
Quebec .....	59,988,323	61,210,607	2,607,356	3,832,032	62,595,679	65,042,639
Ontario .....	56,359,926	54,767,925	3,116,637	3,405,752	59,476,563	58,173,677
Manitoba .....	22,718,772	22,068,384	39,143	67,751	22,757,915	22,136,135
Saskatchewan .....	29,526,444	27,263,743	-	978,615	29,526,444	28,242,358
Alberta .....	27,925,128	28,058,211	439,257	463,668	28,364,385	28,521,879
British Columbia .....	2,133,733	1,947,853	7,218	6,541	2,130,941	1,954,394
<b>Totals .....</b>	<b>214,869,111</b>	<b>211,785,347</b>	<b>6,319,117</b>	<b>9,036,917</b>	<b>220,688,228</b>	<b>220,822,264</b>
	To Concentrated Milk Factories			To all Dairy Factories		
	1948	1949	1948	1949	1948	1949
	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat	lb. of butter-fat
Prince Edward Island .....	-	-	-	-	3,667,593	4,034,736
Nova Scotia .....	-	-	-	-	5,677,966	5,851,196
New Brunswick .....	-	-	-	-	6,490,742	6,865,250
Quebec .....	466,800	1	63,062,479	1		
Ontario .....	1,174,881	1	60,651,444	1		
Manitoba .....	-	-	22,757,915	22,136,135		
Saskatchewan .....	-	-	29,526,444	28,242,358		
Alberta .....	-	-	28,364,385	28,521,879		
British Columbia .....	-	1	2,130,941	1		
<b>Totals .....</b>	<b>1,641,681</b>	<b>1,187,560</b>	<b>222,329,909</b>	<b>222,009,824</b>		

1. Not shown separately but included in Canada total.

## AMOUNT PAID TO PATRONS

For the milk and cream delivered to dairy factories in 1949, the patrons received \$291,044,646, an increase of \$31,333,781, or almost 10 p.c. Patrons of creameries received 74 p.c. of the total, those of concentrated milk factories 11 p.c., those of cheese factories 10 p.c. and those of combined butter and cheese factories 5 p.c. The average price paid

in 1949 (with 1948 prices in parentheses) was: milk, \$3.13 per 100 lb. (\$3.30) and cream, per lb. butter-fat content, 63 cents (73).

The amounts paid for the milk and cream are shown separately in Table 17, page 28.

TABLE 12. Amounts Paid to Patrons of Dairy Factories, 1948-1949

Province	By Creameries		By Cheese Factories		By Combined Factories	
	1948	1949	1948	1949	1948	1949
	\$	\$	\$	\$	\$	\$
Prince Edward Island.....	2,777,538	2,637,114	183,886	170,766	176,321	201,892
Nova Scotia.....	5,847,322	5,643,507	—	—	—	—
New Brunswick.....	5,909,153	5,557,086	249,462	227,910	—	143,083
Quebec.....	80,511,269	67,127,481	2,753,736	3,489,072	5,292,009	8,065,289
Ontario.....	71,153,816	62,996,364	21,293,693	23,771,777	3,664,903	4,524,531
Manitoba.....	20,603,993	17,570,830	1,229,958	984,702	51,685	55,348
Saskatchewan.....	24,256,589	19,568,587	76,623	81,878	—	781,365
Alberta.....	24,127,764	21,951,755	840,077	805,826	443,418	413,719
British Columbia.....	13,765,576	12,623,181	5,538	10,694	237,886	263,217
<b>Totals.....</b>	<b>248,953,020</b>	<b>215,675,905</b>	<b>26,632,973</b>	<b>29,542,625</b>	<b>9,866,222</b>	<b>14,448,444</b>
	By All Butter and Cheese Factories		By Concentrated Milk Factories		By All Dairy Factories	
	1948	1949	1948	1949	1948	1949
	\$	\$	\$	\$	\$	\$
Prince Edward Island.....	3,137,745	3,009,772	—	—	3,137,745	3,009,772
Nova Scotia.....	5,847,322	5,643,507	1	1	1	1
New Brunswick.....	6,158,615	5,928,079	—	—	6,158,615	5,928,079
Quebec.....	88,557,014	78,681,842	11,105,013	10,780,485	99,662,027	89,462,327
Ontario.....	96,112,412	91,292,672	21,717,627	16,818,367	117,830,039	108,111,039
Manitoba.....	21,885,636	18,610,880	—	—	21,885,636	18,610,880
Saskatchewan.....	24,333,212	20,431,830	1	1	1	1
Alberta.....	25,411,259	23,171,300	1	1	1	1
British Columbia.....	14,009,000	12,897,092	1	1	1	1
<b>Totals.....</b>	<b>285,452,215</b>	<b>259,666,974</b>	<b>36,926,212</b>	<b>31,377,672</b>	<b>322,378,427</b>	<b>291,044,646</b>

1. Not shown separately but included in Canada total.

## MISCELLANEOUS STATISTICS

**Number of Establishments.** The advent of better transportation facilities in the rural areas and government aid toward the amalgamation of cheese factories have resulted in a steady decrease in the number of plants reported each year. In 1917, there were 3,418, by 1927 the number had dropped below the three-thousand mark and in 1949 the figure had dropped to 1,898.

The number of combined factories reporting in 1949 increased by 41. This does not necessarily mean that there were 41 more plants with facilities for the making of both products but that some plants that made either butter or cheese only in 1948 made both in the later year.

TABLE 13. Establishments Classified By Function, 1948 - 1949

Province	Creameries		Cheese Factories		Combined Factories		Total Butter and Cheese Factories		Concentrated Milk Factories		Total Dairy Factories	
	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Prince Edward Island.....	15	14	8	8	1	1	24	23	-	-	24	23
Nova Scotia .....	25	23	-	-	-	-	25	23	1	1	26	24
New Brunswick.....	27	26	7	7	-	1	34	34	-	-	34	34
Quebec .....	614	545	156	140	85	122	855	807	10	10	865	817
Ontario .....	260	251	438	418	16	17	714	686	22	20	736	706
Manitoba .....	67	68	20	15	1	1	88	84	-	-	88	84
Saskatchewan .....	63	59	6	5	-	2	69	66	1	1	70	67
Alberta .....	91	93	16	12	2	2	109	107	1	2	110	109
British Columbia .....	31	30	1	1	1	1	33	32	2	2	35	34
Totals .....	1,193	1,109	652	606	106	147	1,951	1,862	37	36	1,988	1,898

**Employment.** Employment in the dairy factory industry is of a seasonal nature, increasing about April and reaching a peak in July or August. Table 18, at page 34, shows employment by months and Table 20, at page 36, shows the number of days that plants were operating.

Table 19, at page 34, shows employment in 1949 by provinces and types of factories while Table 14 below,

summarizes this information for 1948 and 1949. 'Salaried Employees' includes working proprietors, managers, clerical and technical employees, including head-makers and secretaries. 'Wage-Earners' comprises assistants, delivery personnel, journeymen and ordinary labourers. Total employment in 1949 was 24,231, an increase of 2 per cent over 1948.

TABLE 14. Employment and Salaries and Wages, 1948 - 1949

Province	Salaried Employees			Wage-Earners		
	Male	Female	Total Salaries	Male	Female	Total Wages
	No.	No.	\$	No.	No.	\$
1948						
Prince Edward Island.....	50	15	98,567	86	10	122,787
Nova Scotia .....	74	50	251,252	509	27	717,198
New Brunswick.....	65	49	171,826	327	33	538,577
Quebec .....	1,522	264	2,929,565	4,344	100	7,553,715
Ontario .....	1,730	767	4,240,404	6,459	668	13,103,010
Manitoba .....	212	168	697,226	1,177	129	2,465,776
Saskatchewan.....	189	177	639,593	930	239	1,882,238
Alberta .....	249	213	849,293	1,106	164	2,012,015
British Columbia.....	169	122	613,614	1,206	108	2,628,936
Totals .....	4,260	1,825	10,491,340	16,144	1,478	31,024,252

TABLE 14. Employment and Salaries and Wages, 1948-1949 - Concluded

Province	Salaried Employees			Wage-Earners		
	Male	Female	Total Salaries	Male	Female	Total Wages
	No.	No.	\$	No.	No.	\$
1949						
Prince Edward Island .....	49	17	119,024	86	9	136,419
Nova Scotia .....	80	52	273,014	505	24	770,464
New Brunswick .....	71	47	203,971	358	37	571,950
Quebec .....	1,538	340	3,016,174	4,556	94	7,827,841
Ontario .....	1,536	692	4,336,069	6,743	607	14,587,770
Manitoba .....	208	150	662,831	1,269	113	2,652,891
Saskatchewan .....	184	176	679,793	919	160	1,959,677
Alberta .....	244	213	881,290	1,181	153	2,458,462
British Columbia .....	190	138	702,305	1,395	97	3,232,763
Totals .....	4,100	1,825	10,874,471	17,012	1,294	34,198,237

**Form of Organization.** Individual or co-operative ownership is still the predominating pattern in the dairy factory industry. Of the 1,862 butter and cheese factories reporting in 1949, 806, or 43 per cent, were owned by individuals or partnerships while 680, or 37 per cent, were operated by some form of co-operative association. Quebec leads in the number of co-operative plants reporting, with 345 or 57 per cent of the 603 incorporated co-operatives and 44, or 51 per cent, of the

77 unincorporated co-operatives. Further details are given in Table 21, at page 36.

**Conversion Factors.** The factors in Table 15 are those used in the checking of reports to the Census of Industry. While they may not suit local or seasonal conditions at any given time they are thought to be of sufficient accuracy for the purpose to which they are put.

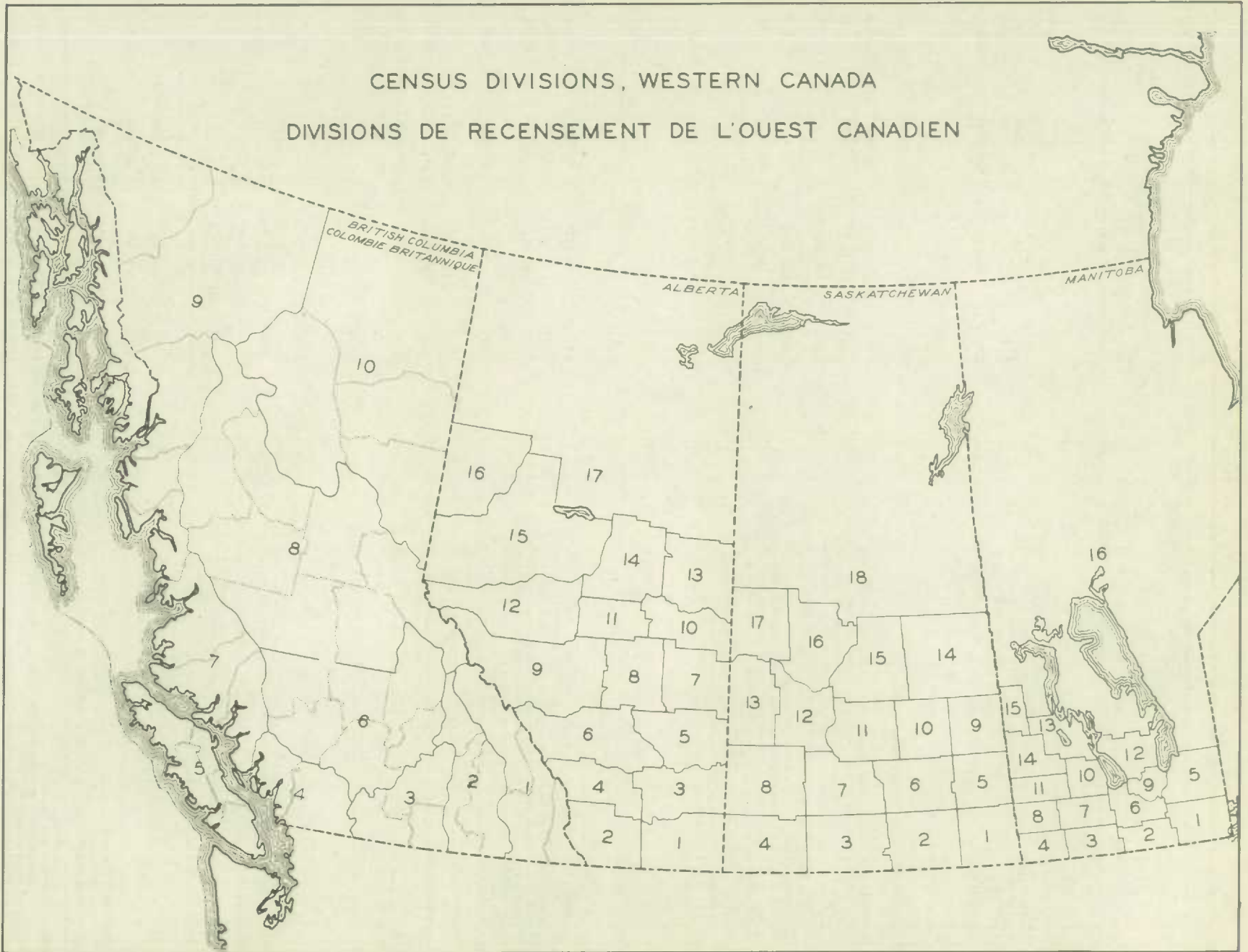
TABLE 15. Conversion Factors for Dairy Products

Product (1 lb.)	Butterfat lb.	Milk lb.
Butterfat .....	1.00	28.57
Butter .....	0.82	23.43
Cheese (Cheddar and other factory cheese made from whole milk) .....	0.39	11.14
Condensed milk .....	0.08	2.28
Evaporated milk .....	0.077	2.2
Whole-milk powder .....	0.28	8.0
Cream powder .....	0.735	21.0
Ice cream (gal.) .....	0.63	18.0
	Skim Milk	
Condensed skim milk .....	3.03	
Evaporated skim milk .....	3.03	
Skim-milk powder .....	11.1	
Casein .....	33.3	
	Buttermilk	
Condensed buttermilk .....	3.03	
Buttermilk powder .....	11.8	

Note. Weights:

- 1 gallon of milk weighs 10.3 lb.
- 1 gallon of cream weighs 10.0 lb.
- 1 gallon of ice cream weighs 5.5 lb.

CENSUS DIVISIONS, WESTERN CANADA  
DIVISIONS DE RECENSEMENT DE L'OUEST CANADIEN



**TABLE 16. Summary Statistics of Dairy Factories, 1949**  
(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments	Total of employees and of salaries and wages		Paid to patrons	Supplies used
		No.	No.	\$	\$	\$
<b>PRINCE EDWARD ISLAND</b>						
1	Kings .....	3	6	5,514	162,736	2,537
2	Prince .....	11	43	57,313	996,520	11,585
3	Queens .....	9	112	192,616	1,850,516	37,285
4	<b>Totals .....</b>	<b>23</b>	<b>161</b>	<b>255,443</b>	<b>3,009,772</b>	<b>51,407</b>
<b>NOVA SCOTIA</b>						
5	Colchester .....	3	132	184,157	931,098	37,696
6	Cumberland .....	3	54	69,846	600,040	13,972
7	Kings .....	3	70	108,317	737,678	5,820
8	Halfax .....	2	213	396,996	1,709,112	103,710
8	Hants .....	2				
9	Lunenburg .....	1	66	102,584	755,057	23,620
9	Antigonish .....	1				
10	Pictou .....	2	14	16,832	124,603	510
10	Inverness .....	2				
11	Victoria .....	1	90	125,616	785,919	54,633
11	Annapolis .....	1				
11	Digby .....	1	23	1,004,348	5,643,507	239,961
11	Yarmouth .....	1				
12	<b>Totals .....</b>	<b>23</b>	<b>639</b>	<b>1,004,348</b>	<b>5,643,507</b>	<b>239,961</b>
<b>NEW BRUNSWICK</b>						
13	Kings .....	6	71	100,456	1,239,704	34,308
13	Queens .....	1				
14	Pestigouche .....	5	32	50,820	249,945	21,831
15	Albert .....	2	102	156,143	524,677	66,670
15	Charlotte .....	1				
16	Saint John .....	2	43	68,207	794,012	13,631
16	Carleton .....	2				
17	Madawaska .....	4	65	112,560	945,540	9,406
17	Victoria .....	1				
17	Gloucester .....	1	200	287,735	2,174,201	76,489
17	Northumberland .....	1				
18	Westmorland .....	4	34	513	775,921	5,926,079
18	York .....	4				
19	<b>Totals .....</b>	<b>34</b>	<b>513</b>	<b>775,921</b>	<b>5,926,079</b>	<b>222,335</b>
<b>QUEBEC</b>						
20	District No. 1 - Gaspesia <sup>1</sup> .....	38	119	127,611	1,862,819	21,296
21	" " 2 - Lower St. Lawrence <sup>2</sup> .....	94	235	223,933	4,993,482	55,273
22	" " 3 - Quebec <sup>3</sup> .....	157	1,055	1,420,507	15,332,125	305,994
23	" " 4 - Eastern Townships <sup>4</sup> .....	97	598	912,430	10,757,909	195,873
24	" " 5 - Richelieu <sup>5</sup> .....	75	511	820,121	8,973,713	101,205
25	" " 6 - Three Rivers <sup>6</sup> .....	91	441	601,520	6,882,693	144,032
26	" " 7 - Montreal South <sup>7</sup> .....	19	136	189,386	2,155,146	49,802
27	" " 8 - Montreal North <sup>8</sup> .....	61	2,199	4,632,006	16,670,219	546,005
28	" " 9 - Ottawa <sup>9</sup> .....	38	204	298,872	4,228,599	32,682
29	" " 10 - Abitibi-Temiskaming <sup>10</sup> .....	28	126	174,470	2,401,629	28,886
30	" " 11 - Saguenay <sup>11</sup> .....	109	356	455,325	4,423,508	70,475
31	<b>Totals .....</b>	<b>807</b>	<b>5,980</b>	<b>9,856,181</b>	<b>78,681,842</b>	<b>1,551,523</b>

1. District No. 1 - Gaspesia - comprises the counties of Bonaventure, Gaspé, The Magdalen Islands, Matane and Matapédia.

2. District No. 2 - Lower St. Lawrence - comprises the counties of Kamouraska, L'Islet, Montmagny, Rimouski, Rivière-du-Loup and Témiscouata.

3. District No. 3 - Quebec - comprises the counties of Arthabaska, Beauce, Bellechasse, Dorchester, Lévis, Lotbinière, Mégantic, Montmorancy, Portneuf and Quebec.

4. District No. 4 - Eastern Townships - comprises the counties of Brome, Compton, Drummond, Frontenac, Richmond, Shefford, Sherbrooke, Stanstead and Wolfe.

5. District No. 5 - Richelieu - comprises the counties of Bagot, Chambly, Iberville, Laprairie, Missisquoi, Napierville, Richelieu, Rouville, St. Hyacinthe, St. Jean, Verchères and Yamaska.



**TABLE 16. Summary Statistics of Dairy Factories, 1949**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Containers used	Value of products					No.
	Creamery butter	Cheddar cheese	Ice cream	Other	Total	
\$	\$	\$	\$	\$	\$	
2,636	160,210	30,796	—	—	191,006	1
15,811	921,829	126,154	—	112,368	1,160,351	2
57,281	1,856,101	81,755	190,075	167,691	2,295,622	3
<b>75,728</b>	<b>2,938,140</b>	<b>238,705</b>	<b>190,075</b>	<b>280,059</b>	<b>3,646,979</b>	<b>4</b>
36,600	789,882	—	426,057	298,575	1,514,514	5
18,631	495,996	—	67,155	260,539	823,690	6
18,503	593,738	—	9,677	360,866	964,281	7
47,600	616,290	—	516,838	1,631,825	2,764,953	8
17,315	689,425	—	127,368	204,150	1,020,943	9
1,185	129,180	—	—	28,835	158,015	10
31,766	714,301	—	286,948	190,640	1,191,889	11
<b>171,600</b>	<b>4,028,812</b>	<b>—</b>	<b>1,434,043</b>	<b>2,975,430</b>	<b>8,438,285</b>	<b>12</b>
24,738	1,295,176	124,005	155,870	136,300	1,711,351	13
16,481	186,412	—	146,068	61,866	394,346	14
19,968	103,504	22,612	219,417	522,409	867,942	15
16,104	785,840	—	46,052	146,067	977,959	16
14,359	826,279	114,602	62,661	216,565	1,220,107	17
87,988	1,626,575	—	586,689	999,923	3,213,187	18
<b>179,638</b>	<b>4,823,786</b>	<b>261,219</b>	<b>1,216,757</b>	<b>2,083,130</b>	<b>8,384,892</b>	<b>19</b>
31,285	1,975,319	68,074	28,648	90,555	2,162,596	20
82,005	4,988,554	391,308	16,970	141,885	5,538,717	21
261,255	12,802,822	881,336	801,502	4,303,303	18,788,963	22
287,937	8,768,254	536,461	677,442	3,164,288	13,146,445	23
146,074	5,205,783	1,079,426	101,299	4,696,392	11,082,900	24
161,583	4,747,203	1,707,464	491,302	1,466,870	8,412,839	25
31,831	1,232,418	20,572	56,200	1,303,834	2,613,024	26
279,359	4,465,699	232,867	2,515,986	18,788,807	26,003,359	27
72,703	4,332,930	205,767	40,121	347,580	4,926,398	28
35,025	2,382,461	27,197	62,847	415,821	2,888,326	29
101,020	1,788,178	2,380,513	163,086	1,191,036	5,522,813	30
<b>1,490,077</b>	<b>52,689,621</b>	<b>7,530,985</b>	<b>4,955,403</b>	<b>35,910,371</b>	<b>101,086,380</b>	<b>31</b>

6. District No. 6 — Three Rivers — comprises the counties of Berthier, Champlain, Lavolette, Maskinongé, Nicolet and St. Maurice.  
 7. District No. 7 — Montreal South — comprises the counties of Beauharnois, Châteauguay, Two-Mountains and Huntingdon.  
 8. District No. 8 — Montreal North — comprises the counties of Montreal and Jesus Islands, Joliette, L'Assomption, Montcalm, Soulanges, Terrebonne and Vaudeuil.  
 9. District No. 9 — Ottawa — comprises the counties of Argenteuil, Gatineau, Hull, Labelle, Papineau and Pontiac.  
 10. District No. 10 — Abitibi-Temiskaming — comprises the counties of Abitibi and Temiskaming.  
 11. District No. 11 — Saguenay — comprises the counties of Charlevoix East, Charlevoix West, Chicoutimi, Lake St. John East, Lake St. John West and Saguenay.

**TABLE 16. Summary Statistics of Dairy Factories, 1949 - Continued**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments	Total of employees and of salaries and wages		Paid to patrons	Supplies used
		No.	No.	\$	\$	\$
<b>ONTARIO</b>						
1	Addington.....	9	42	64,283	959,031	12,075
2	Brant.....	4	40	88,458	421,381	2,314
3	Bruce.....	14	190	288,401	3,017,201	20,430
4	Carleton.....	32	952	2,098,265	6,406,512	480,490
5	Cochrane.....	8	17	22,275	211,063	1,935
6	Dufferin.....	4	58	82,944	857,241	5,344
7	Dundas.....	24	52	72,241	1,496,004	27,163
8	Durham.....	4	22	40,161	491,184	3,477
9	Elgin.....	7	87	165,147	921,094	11,773
10	Essex.....	8	631	1,305,554	2,966,983	111,547
11	Frontenac.....	26	184	287,148	2,146,398	84,462
12	Glengarry.....	38	105	125,617	2,102,101	29,774
13	Grenville.....	12	33	45,730	615,648	11,229
14	Grey.....	15	168	253,204	2,780,190	14,253
15	Halton.....	3	20	34,909	378,486	2,034
16	Hastings.....	54	210	262,416	3,344,684	65,040
17	Huron.....	15	132	198,847	2,259,265	12,123
18	Kent.....	9	175	353,339	1,433,946	28,551
19	Lambton.....	9	177	336,696	1,696,650	46,446
20	Lanark.....	23	123	203,097	2,115,324	20,893
21	Leeds.....	36	108	140,576	1,815,879	52,475
22	Lennox.....	9	32	40,150	710,630	11,295
23	Algoma.....	4	87	151,165	818,578	27,840
23	Manitoulin.....	2				
24	Middlesex.....	17	389	754,899	3,335,550	404,445
25	Haldimand.....	5	159	343,626	2,887,707	61,451
25	Norfolk.....	2				
26	Northumberland.....	21	104	131,565	2,034,027	21,673
27	Ontario.....	4	28	49,495	428,706	2,522
28	Oxford.....	19	107	172,931	2,509,268	29,121
29	Nipissing.....	3	42	62,514	619,198	2,524
29	Parry Sound.....	2				
30	Peel.....	5	38	71,859	534,097	1,306
31	Perth.....	22	167	285,774	3,986,654	28,702
32	Peterborough.....	13	189	371,084	1,455,460	185,969
33	Prescott.....	53	92	84,731	2,103,976	33,834
34	Prince Edward.....	13	49	55,326	1,067,988	17,008
35	Kenora.....	1	24	38,826	262,943	3,547
35	Rainy River.....	4				
36	Renfrew.....	12	140	236,747	2,304,598	24,054
37	Russell.....	30	60	74,350	1,463,486	24,047
38	Simcoe.....	11	143	218,899	1,976,621	53,895
39	Stormont.....	22	151	257,518	2,731,337	36,472
40	Sudbury.....	4	71	153,246	471,696	1,932
41	Thunder Bay.....	2	134	276,841	1,253,390	41,781
41	Temiskaming.....	5				
42	Victoria.....	6	91	167,742	1,335,632	7,387
43	Waterloo.....	11	214	375,012	2,318,193	124,917
44	Welland.....	3	62	116,073	414,705	14,779
45	Wellington.....	11	197	335,217	2,698,203	45,251
46	Lincoln.....	2	334	844,957	1,778,471	91,615
46	Wentworth.....	2				
47	York.....	12	1,896	4,615,600	11,355,293	602,722
48	<b>Totals</b> .....	<b>686</b>	<b>8,526</b>	<b>16,755,455</b>	<b>91,292,672</b>	<b>2,943,917</b>
<b>MANITOBA</b>						
49	District No. 2.....	2	8	54,206	695,060	18,617
50	" " 3.....	3	6	98,124	1,117,425	6,179
50	" " 4.....	1				
51	" " 1.....	12	54	60,969	769,417	10,079
51	" " 5.....	2				
52	" " 7.....	6	101	178,446	1,378,521	23,556
53	" " 8.....	4				
54	" " 6.....	15	53	71,175	1,008,595	11,769
54	" " 9.....	1				
55	" " 10.....	4	1,227	2,551,909	8,615,501	372,803
55	" " 11.....	4				
56	" " 11.....	5	37	58,020	840,054	7,197
57	" " 13.....	5	42	64,313	869,268	12,576
58	" " 14.....	5	28	48,057	822,671	4,801
58	" " 15.....	4	44	62,073	1,209,416	11,284
58	" " 16.....	1				
59	" " 12.....	9	53	68,430	1,284,952	6,732
59	" " 16.....	1				
60	<b>Totals</b> .....	<b>84</b>	<b>1,740</b>	<b>3,315,722</b>	<b>18,610,880</b>	<b>485,593</b>

**TABLE 16. Summary Statistics of Dairy Factories, 1949 - Continued**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Containers used	Value of products					No
	Creamery butter	Cheddar cheese	Ice cream	Other	Total	
\$	\$	\$	\$	\$	\$	
15,569	150,692	917,763	--	52,928	1,121,383	1
3,149	371,305	--	--	271,256	642,561	2
47,925	3,292,886	238,986	2,251	83,995	3,618,118	3
363,502	857,459	1,300,808	2,133,076	6,661,386	10,952,729	4
3,706	198,624	34,782	--	24,628	258,034	5
12,617	1,005,800	--	--	1,733	1,007,533	6
25,379	--	1,633,134	--	66,172	1,699,306	7
6,213	589,445	--	--	1,094	590,539	8
15,632	239,776	209,182	6,547	808,215	1,263,720	9
83,612	141,943	--	498,063	4,710,217	5,350,223	10
53,815	694,551	1,061,084	203,723	904,781	2,864,139	11
46,577	158,007	2,075,066	--	211,380	2,444,453	12
12,393	125,024	549,202	18,942	22,672	715,840	13
34,281	3,226,787	20,890	526	112,811	3,361,014	14
7,533	435,514	--	--	300	435,814	15
65,436	1,343,038	2,145,528	--	485,108	3,973,674	16
45,786	2,224,360	199,243	--	280,279	2,703,882	17
22,642	1,012,965	--	--	1,027,007	2,039,972	18
51,600	1,487,532	--	52,642	926,702	2,466,876	19
52,078	1,438,814	692,433	12,832	449,114	2,593,193	20
35,807	32,272	1,815,301	90,432	231,218	2,169,223	21
13,802	54,669	734,733	--	56,222	845,624	22
12,559	740,231	--	107,801	284,327	1,132,359	23
209,267	1,620,244	1,061,383	1,905,357	1,180,068	5,767,052	24
91,758	1,843,987	35,724	273,559	1,614,219	3,767,489	25
36,140	1,189,315	1,075,120	--	146,511	2,410,946	26
4,704	522,100	--	--	1,126	523,226	27
34,479	398,527	1,575,147	6,638	948,348	2,928,660	28
9,938	570,471	38,546	--	145,595	754,612	29
5,196	569,249	--	--	97,768	667,017	30
67,716	2,890,772	884,905	--	1,022,573	4,798,250	31
57,544	441,167	274,983	702,389	1,022,743	2,441,282	32
36,593	247,180	2,010,644	--	89,113	2,346,937	33
22,654	91,338	1,082,350	--	60,173	1,233,861	34
9,747	305,501	--	1,862	34,212	341,575	35
22,948	2,159,777	102,868	71,947	523,339	2,857,931	36
26,935	235,775	1,378,023	--	33,017	1,646,815	37
39,679	2,165,362	--	208,215	206,605	2,580,182	38
52,850	91,786	2,178,633	--	1,089,538	3,359,957	39
12,882	26,438	83,783	--	666,663	666,884	40
17,215	577,484	84,659	82,858	1,059,873	1,804,874	41
24,244	1,306,799	32,704	--	375,307	1,714,810	42
78,235	1,892,421	134,918	299,447	937,745	3,264,531	43
14,525	150,949	--	42,173	484,876	677,998	44
77,358	2,796,872	44,087	167,884	467,948	3,476,791	45
90,553	181,313	--	638,522	2,607,697	3,427,532	46
496,710	1,809,093	--	1,970,945	17,021,079	20,801,117	47
<b>2,571,483</b>	<b>43,905,614</b>	<b>25,706,612</b>	<b>9,498,631</b>	<b>49,399,681</b>	<b>128,510,538</b>	<b>48</b>
16,950	686,784	120,415	38,640	8,419	854,258	49
28,571	1,303,966	--	--	42,247	1,346,213	50
15,768	521,859	381,156	--	41,190	944,205	51
31,189	1,390,753	--	84,924	339,819	1,815,496	52
15,600	1,200,366	--	9,900	26,488	1,236,754	53
364,807	3,245,430	88,382	1,581,359	8,979,014	13,894,185	54
17,857	974,098	--	9,800	16,376	1,000,274	55
45,177	930,848	--	64,953	90,564	1,086,365	56
15,061	921,347	14,897	--	29,832	966,076	57
25,574	1,403,275	--	7,168	38,984	1,449,427	58
22,152	1,503,853	--	--	10,965	1,514,818	59
<b>598,706</b>	<b>14,082,579</b>	<b>604,850</b>	<b>1,796,744</b>	<b>9,623,898</b>	<b>26,108,071</b>	<b>60</b>

**TABLE 16. Summary Statistics of Dairy Factories, 1949 - Concluded**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments	Total of employees and of salaries and wages		Paid to patrons	Supplies used			
			No.	\$					
<b>SASKATCHEWAN</b>									
1	District No. 1	3	}	81,923	772,432	8,729			
2	" " 2	1		56	93,800	1,697,833	796,472		
3	" " 5	7		63	666,402	2,614,038	148,165		
4	" " 6	6		340	298,264	1,446,837	73,388		
5	" " 7	4		160	56	112,742	1,125,948	10,395	
6	" " 4	2		2	100	148,480	1,773,992	14,463	
7	" " 8	2		100	40	59,041	910,737	3,660	
8	" " 9	6		344	687,184	4,081,029	144,106		
9	" " 10	3		3	21	38,994	588,609	4,090	
10	" " 11	6		6	39	69,929	1,064,900	11,844	
11	" " 12	1		1	107	188,600	1,977,232	24,324	
12	" " 13	2		2	67	123,705	1,438,583	16,517	
13	" " 14	4		4	42	62,949	939,660	5,033	
14	<b>Totals</b>	<b>66</b>	<b>1,435</b>	<b>2,632,013</b>	<b>20,431,830</b>	<b>1,261,186</b>			
<b>ALBERTA</b>									
15	District No. 2	9	}	148	276,034	1,219,308	46,125		
16	" " 4	3		12	17,866	153,585	554		
17	" " 1	2		2	83	153,847	917,513	22,262	
18	" " 3	3		3	351	670,919	2,882,241	188,501	
19	" " 5	2		2	52	93,613	1,525,754	11,638	
20	" " 6	16		16	174	290,568	3,709,500	18,316	
21	" " 7	5		5	46	71,592	1,167,143	7,404	
22	" " 8	20		20	40	70,359	1,302,057	2,972	
23	" " 9	9		9	741	1,462,901	7,640,913	315,070	
24	" " 10	8		8	31	45,937	877,822	3,434	
25	" " 11	6		6	36	57,743	1,216,888	1,718	
26	" " 12	5		5	1	1	54,923	558,576	1,086
27	<b>Totals</b>	<b>107</b>		<b>1,751</b>	<b>3,266,302</b>	<b>23,171,300</b>	<b>619,080</b>		
<b>BRITISH COLUMBIA</b>									
28	District No. 1	1		}	39	71,611	202,046	39,777	
29	" " 2	3			3	86	156,888	844,571	64,295
30	" " 3	5	5		12	1,257	2,905,387	232,065	
31	" " 4	12	12		6	311	559,295	1,607,298	
32	" " 5	6	6		2	41	57,971	450,105	
33	" " 6	2	2		3	3	1,734	3,751,152	12,897,092
34	<b>Totals</b>	<b>32</b>	<b>1,734</b>		<b>3,751,152</b>	<b>12,897,092</b>	<b>525,969</b>		
34	<b>CANADA</b>	<b>1,862</b>	<b>22,479</b>		<b>41,612,537</b>	<b>259,666,974</b>	<b>7,900,971</b>		
(2) Concentrated Milk Factories									
No.	Province	Establishments	Total of employees and of salaries and wages		Paid to patrons	Supplies used			
			No.	\$					
35	Quebec	10	}	548	987,834	10,780,485	340,404		
36	Ontario	20		1,052	2,168,384	16,818,367	2,082,038		
37	Nova Scotia	1		1	152	303,953	3,778,820	36,442	
38	Saskatchewan	1		1	1	1	1	1	
	Alberta	2		2	2	2	2	2	
	British Columbia	2		2	2	2	2	2	
38	<b>CANADA</b>	<b>36</b>	<b>1,752</b>	<b>3,460,171</b>	<b>31,377,672</b>	<b>2,458,884</b>			

TABLE 16. Summary Statistics of Dairy Factories, 1949 - Concluded

(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

Containers used	Value of products					No.
	Creamery butter	Cheddar cheese	Ice cream	Other	Total	
\$	\$	\$	\$	\$	\$	
17,804	824,981	—	25,006	165,043	1,015,030	1
32,714	1,961,130	—	10,270	881,190	2,852,590	2
112,815	1,645,378	—	688,397	1,850,022	4,183,797	3
43,190	1,178,855	—	292,284	682,431	2,153,570	4
16,981	1,080,739	—	16,000	269,798	1,366,537	5
31,053	1,862,392	—	115,717	275,297	2,253,406	6
17,773	1,037,029	—	—	19,978	1,057,007	7
116,509	2,411,277	—	642,114	2,529,499	5,582,890	8
11,671	632,524	—	—	60,021	692,545	9
20,138	968,195	—	41,524	262,292	1,272,011	10
55,787	1,882,777	66,925	74,071	458,465	2,482,238	11
24,562	1,520,083	59,361	41,453	168,521	1,789,418	12
19,715	990,420	—	—	134,074	1,124,494	13
<b>520,712</b>	<b>17,995,780</b>	<b>126,286</b>	<b>1,946,836</b>	<b>7,756,631</b>	<b>27,825,533</b>	<b>14</b>
38,348	749,951	128,643	188,030	764,377	1,831,001	15
2,944	152,628	—	—	39,887	192,515	16
23,418	787,859	4,061	42,441	432,722	1,267,083	17
100,239	1,210,217	257,555	417,627	2,567,310	4,452,709	18
22,944	1,704,216	—	—	69,004	1,773,220	19
83,941	3,546,617	269,945	—	522,704	4,339,266	20
31,813	1,291,907	—	—	101,036	1,392,943	21
23,936	1,264,456	75,545	—	120,384	1,460,385	22
329,224	5,086,032	189,428	1,254,027	4,401,236	10,930,723	23
16,945	955,231	—	—	45,096	1,000,327	24
23,669	1,299,347	—	—	84,958	1,384,305	25
17,639	532,989	—	37,635	141,189	711,813	26
<b>705,060</b>	<b>18,581,450</b>	<b>925,177</b>	<b>1,939,760</b>	<b>9,289,903</b>	<b>30,736,290</b>	<b>27</b>
24,130	120,954	11,509	152,360	139,057	423,880	28
19,460	284,551	142,375	95,658	685,985	1,208,569	29
303,829	1,823,437	—	410,778	12,842,117	15,076,332	30
54,047	91,005	—	488,778	2,300,231	2,880,014	31
16,342	514,703	—	156,027	7,538	678,268	32
<b>417,808</b>	<b>2,834,650</b>	<b>153,884</b>	<b>1,303,601</b>	<b>15,974,928</b>	<b>20,267,063</b>	<b>33</b>
<b>6,730,812</b>	<b>161,880,432</b>	<b>35,547,718</b>	<b>24,281,850</b>	<b>133,294,031</b>	<b>355,004,031</b>	<b>34</b>

## (2) Concentrated Milk Factories

Containers used	Value of products					No.
	Condensed milk	Evaporated milk	Milk powder and skim milk powder	Other <sup>1</sup>	Total	
\$	\$	\$	\$	\$	\$	
2,371,040	1,438,100	8,641,331	1,930,953	5,081,284	17,091,668	35
4,124,303	2,194,610	11,339,986	5,525,178	11,807,262	30,867,036	36
1,599,516	20,342	6,397,687	27,235	300,804	6,746,068	37
<b>8,094,859</b>	<b>3,653,052</b>	<b>26,379,004</b>	<b>7,483,366</b>	<b>17,189,350</b>	<b>54,704,772</b>	<b>38</b>

1. Included with "Other Products" of Concentrated Milk Factories for Quebec and Ontario are the following: 5,331,073 pounds of creamery butter, value \$3,108,930 and 232,018 pounds of cheese, value \$69,057.

**TABLE 17. Materials Used and Products Obtained, 1949**  
(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments No.	Milk delivered at factory lb.	Cream delivered at factory lb. of butter-fat	Amount paid for	
					Milk \$	Cream \$
<b>PRINCE EDWARD ISLAND</b>						
1	Kings .....	3	1,062,336	213,996	23,639	139,097
2	Prince .....	11	6,264,661	1,234,048	165,181	831,339
3	Queens .....	9	5,419,674	2,586,692	170,778	1,679,738
4	<b>Totals .....</b>	<b>23</b>	<b>12,746,671</b>	<b>4,034,736</b>	<b>359,598</b>	<b>2,650,174</b>
<b>NOVA SCOTIA</b>						
5	Colchester .....	3	3,850,041	1,136,246	151,841	779,257
6	Cumberland .....	3	2,114,305	768,493	81,748	518,292
7	Kings .....	3	5,201,029	830,427	194,673	543,005
8	Halifax .....	2	23,780,861	1,004,163	1,021,334	687,778
8	Hants .....	2				
9	Lunenburg .....	1	3,286,850	900,407	150,682	604,375
9	Antigonish .....	1				
9	Pictou .....	2				
10	Inverness .....	2	370,000	185,391	12,950	111,653
10	Victoria .....	1				
10	Annapolis .....	1				
10	Yarmouth .....	1				
11	Digby .....	1	2,718,277	1,026,069	120,633	665,286
11	Yarmouth .....	1				
12	<b>Totals .....</b>	<b>23</b>	<b>41,321,363</b>	<b>5,851,196</b>	<b>1,733,861</b>	<b>3,909,646</b>
<b>NEW BRUNSWICK</b>						
13	Kings .....	6	5,948,374	1,596,876	181,171	1,058,533
13	Queens .....	1				
14	Restigouche .....	5	7,957,264	302,542	329,040	195,637
14	Albert .....	2				
14	Charlotte .....	1				
15	Saint John .....	2	2,432,851	1,094,813	104,612	689,400
15	Carleton .....	2				
15	Madawaska .....	4				
15	Victoria .....	1				
16	Gloucester .....	1	7,455,074	1,142,514	234,248	711,292
16	Northumberland .....	1				
16	Westmorland .....	4				
16	York .....	4				
17	Northumberland .....	1	13,049,204	2,400,800	593,824	1,580,377
17	Westmorland .....	4				
18	York .....	4	37,976,322	6,865,250	1,490,113	4,437,966
19	<b>Totals .....</b>	<b>34</b>				
<b>QUEBEC</b>						
20	District No. 1 - Gaspesia <sup>1</sup> .....	38	16,749,961	2,288,637	402,048	1,460,771
21	" " 2 - Lower St. Lawrence <sup>2</sup> .....	94	31,269,153	6,381,901	799,533	4,193,949
22	" " 3 - Quebec <sup>3</sup> .....	157	161,815,442	16,021,191	4,787,899	10,544,226
23	" " 4 - Eastern Townships <sup>4</sup> .....	97	149,027,223	9,575,197	4,354,115	6,403,794
24	" " 5 - Richelieu <sup>5</sup> .....	75	215,621,536	4,279,899	6,072,965	2,900,748
25	" " 6 - Three Rivers <sup>6</sup> .....	91	108,931,531	5,880,604	2,942,621	3,940,072
26	" " 7 - Montreal South <sup>7</sup> .....	19	43,152,009	1,279,560	1,291,535	863,611
27	" " 8 - Montreal North <sup>8</sup> .....	61	286,390,973	8,172,056	10,851,709	5,818,510
28	" " 9 - Ottawa <sup>9</sup> .....	38	25,304,388	5,477,029	686,706	3,541,893
29	" " 10 - Abitibi-Temiskaming <sup>10</sup> .....	28	7,709,930	3,324,712	278,223	2,123,406
30	" " 11 - Saguenay <sup>11</sup> .....	109	109,426,181	2,361,853	2,941,659	1,481,849
31	<b>Totals .....</b>	<b>807</b>	<b>1,155,398,327</b>	<b>65,042,639</b>	<b>35,409,013</b>	<b>43,272,829</b>

1. District No. 1 - Gaspesia - comprises the counties of Bonaventure, Gaspé, The Magdalen Islands, Matane and Matapédia.

2. District No. 2 - Lower St. Lawrence - comprises the counties of Kamouraska, L'Islet, Montmagny, Rimouski, Rivière-du-Loup and Témiscouata.

3. District No. 3 - Quebec - comprises the counties of Arthabaska, Beauce, Bellechasse, Dorchester, Lévis, Lotbinière, Mégantic, Montmorancy, Portneuf and Quebec.

4. District No. 4 - Eastern Townships - comprises the counties of Brome, Compton, Drummond, Frontenac, Richmond, Shefford, Sherbrooke, Stanstead and Wolfe.

5. District No. 5 - Richelieu - comprises the counties of Bagot, Chambly, Iberville, Laprairie, Missisquoi, Napierville, Richelieu, Rouville, St. Hyacinthe, St. Jean, Vercheres and Yamaska.

**TABLE 17. Materials Used and Products Obtained, 1949**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Production of creamery butter		Production of cheddar cheese		Milk sold		Cream sold		Other products value	Total value of products	No.
Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value			
lb.	\$	lb.	\$	gal.	\$	lb. of butter-fat	\$	\$	\$	
267,017	160,210	95,811	30,796	—	—	—	—	—	191,006	1
1,518,538	921,829	396,826	126,154	164,988	95,709	11,608	11,215	5,444	1,160,351	2
3,066,195	1,856,101	253,755	81,755	176,290	111,354	48,618	39,549	206,863	2,295,622	3
<b>4,851,750</b>	<b>2,938,140</b>	<b>746,392</b>	<b>238,705</b>	<b>341,278</b>	<b>207,063</b>	<b>60,226</b>	<b>50,764</b>	<b>212,307</b>	<b>3,646,979</b>	<b>4</b>
1,192,833	789,882	—	—	212,067	144,263	100,541	79,463	500,906	1,514,514	5
777,832	495,996	—	—	166,618	107,455	39,544	45,401	174,838	823,690	6
938,484	593,738	—	—	387,735	269,356	92,939	84,967	16,220	964,281	7
985,031	616,290	—	—	1,857,301	1,327,650	140,161	136,636	684,377	2,764,953	8
1,040,309	689,425	—	—	280,876	172,820	23,050	20,804	137,894	1,020,943	9
216,134	129,180	—	—	35,000	24,500	3,563	2,895	1,440	158,015	10
1,131,998	714,301	—	—	198,721	139,041	49,362	50,065	288,482	1,191,889	11
<b>6,282,621</b>	<b>4,028,812</b>	<b>—</b>	<b>—</b>	<b>3,138,318</b>	<b>2,185,085</b>	<b>449,160</b>	<b>420,231</b>	<b>1,804,157</b>	<b>8,438,285</b>	<b>12</b>
1,863,245	1,295,176	416,576	124,005	151,927	97,010	15,045	15,431	179,729	1,711,351	13
301,028	186,412	—	—	86,041	57,780	3,667	3,956	146,198	394,346	14
169,679	103,504	75,375	22,612	691,582	454,742	44,826	51,253	235,831	867,942	15
1,299,008	785,840	—	—	190,768	127,489	11,055	12,656	51,974	977,959	16
1,372,964	826,279	380,760	114,602	304,171	198,557	4,521	3,845	76,824	1,220,107	17
2,667,728	1,626,575	—	—	1,206,190	820,501	160,997	166,284	599,827	3,213,187	18
<b>7,673,652</b>	<b>4,823,786</b>	<b>872,711</b>	<b>261,219</b>	<b>2,630,679</b>	<b>1,756,079</b>	<b>240,111</b>	<b>253,425</b>	<b>1,290,363</b>	<b>8,384,892</b>	<b>19</b>
3,397,390	1,975,319	225,534	68,074	59,223	35,533	6,074	6,736	76,934	2,162,596	20
8,558,018	4,988,554	1,289,693	391,308	172,355	91,621	31,309	23,669	43,565	5,538,717	21
21,849,589	12,802,822	2,875,255	881,336	5,181,721	3,281,771	589,398	648,200	1,174,834	18,788,963	22
14,849,394	8,768,254	1,691,722	536,461	4,661,123	2,256,239	242,738	275,582	1,309,909	13,146,445	23
8,759,015	5,205,783	3,583,017	1,079,426	6,178,929	3,046,157	1,003,797	968,575	782,959	11,082,900	24
7,990,210	4,747,203	5,633,918	1,707,464	2,022,441	1,137,787	116,465	142,933	677,452	8,412,839	25
2,074,048	1,232,418	68,539	20,572	1,094,140	491,714	471,468	444,747	423,573	2,613,024	26
7,624,637	4,465,699	778,653	232,867	21,068,937	14,038,949	2,988,256	3,599,571	3,666,273	26,003,359	27
7,266,765	4,332,930	683,506	205,767	283,703	159,998	58,437	46,346	181,357	-4,926,398	28
4,079,516	2,382,461	88,883	27,197	514,194	376,550	19,728	25,823	76,295	2,888,326	29
3,049,903	1,788,178	7,881,969	2,380,513	1,782,367	1,079,550	63,681	69,143	205,429	5,522,813	30
<b>89,498,485</b>	<b>52,689,621</b>	<b>24,800,689</b>	<b>7,530,985</b>	<b>43,019,133</b>	<b>25,995,869</b>	<b>5,591,351</b>	<b>6,251,325</b>	<b>8,618,580</b>	<b>101,086,380</b>	<b>31</b>

6. District No. 6 - Three Rivers - comprises the counties of Berthier, Champlain, Laviolette, Maskinongé, Nicolet and St. Maurice.  
 7. District No. 7 - Montreal South - comprises the counties of Beauharnois, Châteauguay, Two-Mountains and Huntingdon.  
 8. District No. 8 - Montreal North - comprises the counties of Montreal and Jesus Islands, Joliette, L'Assomption, Montcalm, Soulanges, Terrebonne and Vaudeuil.  
 9. District No. 9 - Ottawa - comprises the counties of Argenteuil, Gatineau, Hull, Labelle, Papineau and Pontiac.  
 10. District No. 10 - Abitibi-Temiskaming - comprises the counties of Abitibi and Temiskaming.  
 11. District No. 11 - Saguenay - comprises the counties of Charlevoix East, Charlevoix West, Chicoutimi, Lake St. John East, Lake St. John West and Saguenay.

**TABLE 17. Materials Used and Products Obtained, 1949 - Continued**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments No.	Milk delivered at factory lb.	Cream delivered at factory lb. of butter-fat	Amount paid for	
					Milk \$	Cream \$
<b>ONTARIO</b>						
1	Addington.....	9	34,165,034	256,975	811,552	147,479
2	Brant.....	4	3,703,382	451,394	140,803	280,578
3	Bruce.....	14	9,271,873	4,476,765	239,939	2,777,262
4	Carleton.....	32	185,880,440	1,069,453	5,735,276	671,236
5	Cochrane.....	8	1,629,228	271,580	45,020	166,043
6	Dufferin.....	4	—	1,378,383	—	857,241
7	Dundas.....	24	61,113,752	—	1,496,004	—
8	Durham.....	4	—	786,990	—	491,184
9	Elgin.....	7	23,731,229	339,550	708,520	212,574
10	Essex.....	8	71,654,541	299,412	2,762,595	204,388
11	Frontenac.....	26	67,257,261	673,014	1,743,350	403,048
12	Glengarry.....	38	80,583,448	284,345	1,931,097	171,004
13	Grenville.....	12	21,075,271	172,128	512,370	103,278
14	Grey.....	15	1,771,081	4,379,424	69,318	2,710,872
15	Halton.....	3	—	611,148	—	378,486
16	Hastings.....	54	85,186,216	2,138,374	2,044,560	1,300,124
17	Huron.....	15	28,446,211	2,499,035	709,650	1,549,615
18	Kent.....	9	14,687,264	1,376,824	574,967	858,979
19	Lambton.....	9	14,936,329	1,870,370	536,382	1,160,268
20	Lanark.....	23	53,649,617	1,294,803	1,334,149	781,175
21	Leeds.....	36	72,669,180	51,687	1,778,759	37,120
22	Lennox.....	9	27,792,417	115,373	644,615	66,015
23	Algoma.....	4	3,709,129	1,094,043	162,272	656,306
24	Manitoulin.....	2	—	—	—	—
24	Middlesex.....	17	57,312,294	2,850,494	1,472,585	1,862,965
25	Haldimand.....	5	82,200,877	921,510	2,340,109	547,598
26	Norfolk.....	2	—	—	—	—
26	Northumberland.....	21	43,333,982	1,609,652	1,036,574	997,453
27	Ontario.....	4	—	709,418	—	428,706
28	Oxford.....	19	85,218,887	517,826	2,170,387	338,881
29	Nipissing.....	3	3,716,838	813,585	133,529	485,669
29	Parry Sound.....	2	—	—	—	—
30	Peel.....	5	1,312,289	780,864	55,823	478,274
31	Perth.....	22	64,700,861	3,723,022	1,633,659	2,352,995
32	Peterborough.....	13	32,553,902	763,669	976,637	478,823
33	Prescott.....	53	86,006,959	26,608	2,087,774	16,202
34	Prince Edward.....	13	41,466,612	158,609	975,040	92,948
35	Kenora.....	1	533,123	421,380	17,028	245,915
35	Rainy River.....	4	—	—	—	—
36	Renfrew.....	12	12,380,935	2,959,866	464,079	1,840,519
37	Russell.....	30	51,969,782	315,349	1,255,518	207,968
38	Simcoe.....	11	5,284,532	2,911,219	184,013	1,792,608
39	Stormont.....	22	102,801,470	131,533	2,645,314	86,023
40	Sudbury.....	4	11,800,087	11,907	464,076	7,620
41	Thunder Bay.....	2	16,379,864	942,504	674,189	579,201
41	Temiskaming.....	5	—	—	—	—
42	Victoria.....	6	7,925,767	1,771,896	246,149	1,089,483
43	Waterloo.....	11	39,159,338	1,908,294	1,115,357	1,202,836
44	Welland.....	3	7,452,755	212,579	282,657	132,048
45	Wellington.....	11	23,072,542	3,407,188	600,892	2,097,311
46	Lincoln.....	2	37,164,741	456,751	1,466,901	311,570
46	Wentworth.....	2	—	—	—	—
47	York.....	12	229,549,579	3,956,884	8,599,256	2,756,037
48	<b>Totals.....</b>	<b>686</b>	<b>1,906,210,919</b>	<b>58,173,677</b>	<b>54,878,744</b>	<b>36,413,928</b>
<b>MANITOBA</b>						
49	District No. 2.....	8	4,323,951	1,028,871	107,013	588,047
50	" " 3.....	6	332,343	1,847,420	11,688	1,105,737
50	" " 4.....	1	—	—	—	—
51	" " 1.....	12	13,373,874	752,408	328,289	441,128
51	" " 5.....	2	—	—	—	—
52	" " 7.....	6	4,934,818	2,055,819	172,370	1,206,151
53	" " 8.....	4	284,512	1,722,313	11,004	997,591
54	" " 6.....	15	137,400,344	6,207,006	4,915,395	3,700,106
54	" " 9.....	1	—	—	—	—
55	" " 10.....	4	—	1,437,473	—	840,054
56	" " 11.....	5	983,205	1,433,003	33,163	836,105
57	" " 13.....	5	753,579	1,377,791	19,774	802,897
58	" " 14.....	4	—	—	—	—
58	" " 15.....	1	491,252	2,106,822	18,327	1,191,089
59	" " 12.....	9	—	—	—	—
59	" " 16.....	1	—	2,167,209	—	1,284,952
60	<b>Totals.....</b>	<b>84</b>	<b>162,877,878</b>	<b>22,136,135</b>	<b>5,617,023</b>	<b>12,993,857</b>



TABLE 17. Materials Used and Products Obtained, 1949 - Continued  
(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

Production of creamery butter		Production of cheddar cheese		Milk sold		Cream sold		Other products value	Total value of products	No.
Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value			
lb.	\$	lb.	\$	gal.	\$	lb. of butter-fat	\$	\$	\$	
251,154	150,692	2,945,893	917,763	-	-	-	-	52,928	1,121,383	1
598,633	371,305	-	-	271,620	190,576	14,659	20,196	60,484	642,561	2
5,541,964	3,232,886	774,125	238,986	59,476	41,800	1,925	1,949	42,497	3,618,118	3
1,374,421	857,459	4,298,636	1,300,808	8,420,880	5,178,557	516,479	769,536	2,846,369	10,952,729	4
331,570	198,624	111,650	34,782	41,905	24,449	136	179	-	258,034	5
1,679,934	1,005,800	-	-	-	-	-	-	1,733	1,007,533	6
-	-	5,293,577	1,633,134	58,297	17,115	-	-	49,057	1,699,306	7
979,725	589,445	-	-	-	-	-	-	1,094	590,539	8
401,480	239,776	693,854	209,182	1,304,924	659,973	44,453	37,184	117,605	1,263,720	9
234,014	141,943	-	-	5,547,625	3,874,832	355,817	555,829	777,619	5,350,223	10
1,233,572	694,551	3,496,080	1,061,084	841,295	495,812	109,213	107,358	505,334	2,864,139	11
256,464	158,007	6,852,406	2,075,066	217,357	89,404	-	-	121,976	2,444,439	12
205,284	125,024	1,827,642	549,202	-	-	1,058	677	40,837	715,840	13
5,371,492	3,226,787	70,301	20,890	98,371	65,672	7,033	6,201	41,464	3,361,014	14
741,089	435,514	-	-	-	-	-	-	300	435,814	15
2,234,281	1,343,038	7,134,222	2,145,528	168,750	127,500	13,276	15,802	341,806	3,973,674	16
3,733,123	2,224,360	664,140	199,243	65,440	30,164	134,949	102,574	147,541	2,703,882	17
1,672,063	1,012,965	-	-	1,246,537	892,608	53,486	82,630	51,769	2,039,972	18
2,420,602	1,487,532	-	-	1,069,287	780,389	49,581	77,807	121,148	2,466,876	19
2,374,303	1,438,814	2,302,695	692,433	158,204	85,717	96,963	71,088	305,141	2,593,193	20
45,960	32,272	6,031,241	1,815,301	232,609	132,942	9,480	13,191	175,517	2,169,223	21
91,140	54,669	2,432,098	734,733	-	-	-	-	56,222	845,624	22
1,265,234	740,231	-	-	326,320	249,705	18,110	28,540	113,883	1,132,359	23
2,688,403	1,620,244	3,500,161	1,061,383	1,540,424	824,613	72,450	92,822	2,167,990	5,767,052	24
3,066,486	1,843,987	122,329	35,724	288,212	161,123	917,617	702,694	1,023,961	3,767,489	25
2,000,268	1,189,315	3,576,485	1,075,120	113,326	79,553	5,943	7,861	59,097	2,410,946	26
875,321	522,100	-	-	-	-	1,484	720	406	523,226	27
662,736	398,527	5,211,236	1,575,147	1,867,973	671,884	148,822	124,001	159,101	2,928,660	28
1,004,361	570,471	130,915	38,546	203,587	130,269	9,490	12,945	2,381	754,612	29
951,463	569,249	-	-	108,643	81,391	10,275	13,563	2,814	667,017	30
1,844,337	2,890,772	2,895,204	884,905	1,425,439	532,094	328,239	239,893	250,586	4,798,250	31
752,759	441,167	908,180	274,983	1,082,458	755,104	56,408	77,519	892,509	2,441,282	32
405,383	247,180	6,689,487	2,010,644	141,334	42,551	-	-	46,562	2,346,937	33
151,671	91,338	3,576,713	1,082,350	26,088	7,897	-	-	52,276	1,233,861	34
511,399	305,501	-	-	40,388	29,079	-	-	6,995	341,575	35
3,664,840	2,159,777	342,346	102,868	649,372	442,960	17,172	32,024	120,302	2,857,931	36
391,292	235,775	4,579,391	1,378,023	-	-	-	-	33,017	1,646,815	37
3,597,705	2,165,362	-	-	267,722	180,708	7,326	10,972	223,140	2,580,182	38
147,275	91,786	7,060,918	2,178,633	1,109,612	601,975	416,185	378,886	108,677	3,359,957	39
44,064	26,438	274,242	83,783	689,810	496,663	39,407	60,000	-	666,884	40
983,923	577,484	282,195	84,659	1,170,453	877,090	147,294	152,835	112,806	1,804,874	41
2,205,721	1,306,799	108,050	32,704	421,410	261,146	74,478	67,391	46,770	1,714,810	42
3,178,652	1,892,421	449,726	134,918	583,279	404,720	77,763	79,530	752,942	3,264,531	43
238,830	150,949	-	-	511,799	386,883	45,651	60,195	79,971	677,998	44
4,737,862	2,796,872	136,433	44,087	73,656	28,319	88,947	70,977	536,536	3,476,791	45
297,236	181,313	-	-	3,004,505	2,235,843	179,029	284,337	726,039	3,427,532	46
2,950,520	1,809,093	-	-	18,122,680	12,658,234	2,531,699	2,927,670	3,406,120	20,801,117	47
<b>73,390,009</b>	<b>43,905,614</b>	<b>84,772,571</b>	<b>25,706,612</b>	<b>53,577,067</b>	<b>34,827,314</b>	<b>6,602,297</b>	<b>7,287,576</b>	<b>16,783,422</b>	<b>128,510,538</b>	<b>48</b>
1,188,083	686,784	371,485	120,415	17,142	5,988	-	-	41,071	854,258	49
2,235,778	1,303,966	-	-	32,180	20,917	33,481	20,835	495	1,346,213	50
905,752	521,859	1,137,605	381,156	63,958	18,662	9,855	6,610	15,918	944,205	51
2,387,928	1,390,753	-	-	391,573	242,775	101,253	88,294	93,674	1,815,496	52
2,096,791	1,200,366	-	-	25,911	17,174	11,571	9,164	10,050	1,236,754	53
5,524,796	3,245,430	268,038	68,382	10,150,569	6,588,046	1,372,379	1,872,195	2,100,132	13,894,185	54
1,702,836	974,098	-	-	-	-	28,613	16,176	10,000	1,000,274	55
1,614,738	930,848	-	-	81,353	45,838	58,527	41,621	68,058	1,086,365	56
1,620,555	921,347	45,201	14,897	25,015	8,505	37,334	21,074	253	966,076	57
2,485,368	1,403,275	-	-	45,728	28,547	10,523	10,337	7,268	1,449,427	58
2,655,990	1,503,853	-	-	-	-	13,518	9,659	1,306	1,514,818	59
<b>24,418,615</b>	<b>14,082,579</b>	<b>1,822,329</b>	<b>604,850</b>	<b>10,833,429</b>	<b>6,976,452</b>	<b>1,677,054</b>	<b>2,095,965</b>	<b>2,348,225</b>	<b>26,108,071</b>	<b>60</b>

**TABLE 17. Materials Used and Products Obtained, 1949 — Concluded**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

No.	Province and County or District	Establishments	Milk delivered at factory	Cream delivered at factory	Amount paid for	
					Milk	Cream
		No.	lb.	lb. of butter-fat	\$	\$
<b>SASKATCHEWAN</b>						
1	District No. 1	3	2,061,900	1,232,831	75,640	696,792
2	" " 2	1	—	2,937,768	—	1,697,833
3	" " 5	7	24,200,194	2,939,308	935,836	1,678,202
4	" " 6	6	7,744,843	1,936,580	300,798	1,146,039
5	" " 7	4	—	—	—	—
6	" " 4	2	2,982,630	1,676,044	117,226	1,008,722
7	" " 8	2	—	—	—	—
8	" " 9	6	3,403,795	2,807,762	119,546	1,654,446
9	" " 10	3	—	1,547,030	—	910,737
10	" " 11	6	50,581,975	3,884,916	1,828,344	2,252,685
11	" " 12	1	—	—	—	—
12	" " 13	2	—	1,034,123	—	588,609
13	" " 14	4	3,032,612	1,642,039	111,938	952,962
14	" " 15	7	11,132,507	2,754,820	356,422	1,620,810
15	" " 16	8	3,160,552	2,342,748	92,537	1,346,046
16	" " 17	4	1,632,622	1,506,389	70,950	868,710
17	<b>Totals</b>	<b>66</b>	<b>109,933,630</b>	<b>28,242,358</b>	<b>4,009,237</b>	<b>16,422,593</b>
<b>ALBERTA</b>						
18	District No. 2	9	14,772,611	1,134,654	536,510	682,798
19	" " 4	3	532,708	221,955	22,001	131,584
20	" " 1	2	—	—	—	—
21	" " 3	3	6,406,987	1,132,782	246,780	670,733
22	" " 5	2	—	—	—	—
23	" " 6	16	41,324,467	2,352,178	1,457,209	1,425,032
24	" " 7	5	448,114	2,476,545	17,127	1,508,627
25	" " 8	20	15,061,741	5,258,720	484,349	3,225,151
26	" " 9	9	1,339,441	1,844,322	46,197	1,120,946
27	" " 10	8	3,687,564	1,905,067	116,258	1,185,799
28	" " 11	16	68,084,642	8,069,576	2,664,084	4,976,829
29	" " 13	6	532,367	1,404,068	22,127	855,695
30	" " 14	5	797,328	1,909,599	31,703	1,185,185
31	" " 12	1	—	—	—	—
32	" " 15	1	1,878,540	812,413	78,934	479,642
33	" " 16	1	—	—	—	—
34	<b>Totals</b>	<b>107</b>	<b>154,866,510</b>	<b>28,521,879</b>	<b>5,723,279</b>	<b>17,448,021</b>
<b>BRITISH COLUMBIA</b>						
35	District No. 1	1	2,240,354	170,888	101,860	100,186
36	" " 2	3	—	—	—	—
37	" " 3	5	16,348,309	405,653	604,066	240,505
38	" " 4	12	237,335,317	388,336	9,538,507	254,565
39	" " 5	6	29,976,474	245,776	1,422,732	184,566
40	" " 6	2	—	—	—	—
41	" " 8	3	192,831	743,741	7,582	442,523
42	<b>Totals</b>	<b>32</b>	<b>286,093,285</b>	<b>1,954,394</b>	<b>11,674,747</b>	<b>1,222,345</b>
43	<b>CANADA</b>	<b>1,862</b>	<b>3,867,424,905</b>	<b>220,822,264</b>	<b>120,895,615</b>	<b>138,771,359</b>

(2) Concentrated Milk Factories

Province	Establishments	Milk delivered at factory	Cream delivered at factory	Amount paid for		
				Milk	Cream	
	No.	lb.	lb. of butter-fat	\$	\$	
44	Quebec	10	372,365,494	698,298	10,292,683	487,802
45	Ontario	20	605,055,381	478,553	16,468,040	350,327
46	Nova Scotia	1	—	—	—	—
47	Saskatchewan	1	—	—	—	—
48	Alberta	2	115,437,677	10,709	3,772,120	6,700
49	British Columbia	2	—	—	—	—
50	<b>CANADA</b>	<b>36</b>	<b>1,092,858,552</b>	<b>1,187,560</b>	<b>30,532,843</b>	<b>844,829</b>

**TABLE 17. Materials Used and Products Obtained, 1949 - Concluded**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Production of creamery butter		Production of cheddar cheese		Milk sold		Cream sold		Other products value	Total value of products	No.
Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value			
lb.	\$	lb.	\$	gal.	\$	lb. of butter-fat	\$	\$	\$	
1,423,533	824,981	-	-	204,955	127,549	42,185	33,053	29,447	1,015,030	1
3,461,473	1,961,130	-	-	-	-	6,449	3,869	887,591	2,852,590	2
2,895,362	1,645,378	-	-	2,010,389	1,396,843	243,980	363,618	777,958	4,183,797	3
2,019,921	1,178,855	-	-	759,563	522,692	112,633	130,312	321,711	2,153,570	4
1,883,370	1,080,739	-	-	283,407	181,925	123,531	86,073	17,800	1,366,537	5
3,279,327	1,862,392	-	-	303,109	202,001	73,222	67,420	121,593	2,253,406	6
1,836,924	1,037,029	-	-	-	-	33,255	19,953	25	1,057,007	7
4,321,092	2,411,277	-	-	3,369,162	1,796,357	481,044	476,793	898,463	5,582,890	8
1,140,634	632,524	-	-	-	-	100,036	60,021	-	692,545	9
1,818,136	968,195	-	-	281,779	171,814	121,361	87,482	44,520	1,272,011	10
3,225,016	1,882,777	207,531	66,925	687,633	378,508	112,986	69,976	84,052	2,482,238	11
2,696,406	1,520,083	181,605	59,361	104,912	66,532	118,713	98,691	44,751	1,789,418	12
1,748,651	990,420	-	-	153,968	94,643	44,464	34,502	4,929	1,124,494	13
<b>31,749,845</b>	<b>17,995,780</b>	<b>389,136</b>	<b>126,286</b>	<b>8,158,877</b>	<b>4,938,864</b>	<b>1,613,859</b>	<b>1,531,763</b>	<b>3,232,840</b>	<b>27,825,533</b>	<b>14</b>
1,253,645	749,951	381,516	128,643	863,381	582,450	93,211	123,603	246,354	1,831,001	15
258,680	152,628	-	-	52,135	31,346	10,957	8,398	143	192,515	16
1,305,830	787,859	12,215	4,061	479,225	333,730	70,511	71,685	69,748	1,267,083	17
2,026,897	1,210,217	817,563	257,555	2,348,006	1,592,842	663,308	684,455	707,640	4,452,709	18
2,968,903	1,704,216	-	-	42,472	25,918	53,026	27,924	15,162	1,773,220	19
6,118,838	3,546,617	813,178	269,945	606,154	344,138	228,287	159,713	18,853	4,339,266	20
2,199,191	1,291,907	-	-	128,173	68,585	42,919	28,332	4,119	1,392,943	21
2,231,516	1,264,456	218,212	75,545	119,110	70,377	81,859	48,661	1,346	1,460,385	22
3,757,057	5,086,032	538,199	189,428	4,905,153	3,312,066	559,237	804,422	1,538,775	10,930,723	23
1,689,740	955,231	-	-	46,849	26,653	28,948	17,907	536	1,000,327	24
2,264,929	1,299,347	-	-	74,459	43,187	65,782	40,581	1,190	1,384,305	25
921,017	532,989	-	-	165,784	98,689	41,082	37,433	42,702	711,813	26
<b>31,996,243</b>	<b>18,581,450</b>	<b>2,780,883</b>	<b>925,177</b>	<b>9,830,901</b>	<b>6,529,981</b>	<b>1,939,127</b>	<b>2,053,114</b>	<b>2,646,568</b>	<b>30,736,290</b>	<b>27</b>
192,864	120,954	32,393	11,509	154,227	106,099	11,119	16,255	169,063	423,880	28
468,723	284,551	465,888	142,375	1,068,520	621,952	32,062	45,826	113,865	1,208,569	29
2,952,079	1,823,437	-	-	13,886,591	8,636,021	2,198,159	2,924,009	1,692,865	15,076,332	30
147,302	91,005	-	-	2,215,611	1,667,745	363,642	557,145	564,119	2,880,014	31
849,554	514,703	-	-	-	-	2,757	2,067	161,498	678,268	32
<b>4,610,522</b>	<b>2,834,650</b>	<b>498,281</b>	<b>153,884</b>	<b>17,324,949</b>	<b>11,031,817</b>	<b>2,607,739</b>	<b>3,545,302</b>	<b>2,701,410</b>	<b>20,267,063</b>	<b>33</b>
<b>274,471,742</b>	<b>161,880,432</b>	<b>116,682,992</b>	<b>35,547,718</b>	<b>148,854,631</b>	<b>94,448,524</b>	<b>20,780,924</b>	<b>23,489,465</b>	<b>39,637,892</b>	<b>355,004,031</b>	<b>34</b>

(2) Concentrated Milk Factories

Production of condensed milk		Production of evaporated milk		Production of milk powder		Production of skim milk powder		Other <sup>1</sup> products value	Total value of products	
Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value			
lb.	\$	lb.	\$	lb.	\$	lb.	\$	\$	\$	
9,191,220	1,438,100	79,108,372	8,641,331	2,858,850	842,042	10,468,065	1,088,911	5,081,284	17,091,668	35
12,505,663	2,194,610	100,457,469	11,339,986	9,238,022	3,632,752	15,582,240	1,892,426	11,807,262	30,867,036	36
95,175	20,342	51,725,180	6,397,687	-	-	232,780	27,235	300,804	6,746,068	37
<b>21,792,058</b>	<b>3,653,052</b>	<b>231,291,021</b>	<b>26,379,004</b>	<b>12,096,872</b>	<b>4,474,794</b>	<b>26,283,085</b>	<b>3,008,572</b>	<b>17,189,350</b>	<b>54,704,772</b>	<b>38</b>

1. Included with "Other Products" of Concentrated Milk Factories for Quebec and Ontario are the following: 5,331,073 pounds of creamery butter, value \$3,108,930 and 232,018 pounds of cheese, value \$69,057.

**TABLE 18. Employment by Months in all Dairy Factories, 1949**  
(Including condenseries)

No.	Province	Establish- ments No.	Employees on salaries		Employees on wages	
			No.	\$	No.	\$
1	Prince Edward Island.....	23	66	119,024	95	136,419
2	Nova Scotia .....	24	132	273,014	529	770,464
3	New Brunswick.....	34	118	203,971	395	571,950
4	Quebec .....	817	1,878	3,016,174	4,650	7,827,841
5	Ontario.....	706	2,228	4,336,069	7,350	14,587,770
6	Manitoba .....	84	358	662,831	1,382	2,652,891
7	Saskatchewan.....	67	360	679,793	1,079	1,959,677
8	Alberta .....	109	457	881,290	1,334	2,458,462
9	British Columbia.....	34	328	702,305	1,492	3,232,763
10	<b>CANADA.....</b>	<b>1,898</b>	<b>5,925</b>	<b>10,874,471</b>	<b>18,306</b>	<b>34,198,237</b>

**TABLE 19. Salaried Employees and Wage-Earners by Sex, 1949**  
(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

No.	Province	Establish- ments No.	Salaried employees			
			Male No.	Female No.	Total No.	Total salaries \$
11	Prince Edward Island.....	23	49	17	66	119,024
12	Nova Scotia .....	23	78	51	129	266,859
13	New Brunswick.....	34	71	47	118	203,971
14	Quebec .....	807	1,482	316	1,798	2,827,858
15	Ontario .....	686	1,397	635	2,032	3,826,433
16	Manitoba .....	84	208	150	358	662,831
17	Saskatchewan.....	66	182	176	358	676,793
18	Alberta .....	107	240	210	450	864,888
19	British Columbia.....	32	187	136	323	689,572
20	<b>CANADA.....</b>	<b>1,862</b>	<b>3,894</b>	<b>1,738</b>	<b>5,632</b>	<b>10,138,229</b>
(2) Concentrated Milk Factories						
21	Quebec .....	10	56	24	80	188,316
22	Ontario .....	20	139	57	196	509,636
23	Nova Scotia .....	1	11	6	17	38,290
	Saskatchewan.....	1				
	Alberta .....	2				
	British Columbia.....	2				
24	<b>CANADA.....</b>	<b>36</b>	<b>206</b>	<b>87</b>	<b>293</b>	<b>736,242</b>

**TABLE 18. Employment by Months in all Dairy Factories, 1949**  
(Including condenseries)

Wage-earners on 15th of each month												
Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	No.
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
80	79	77	82	93	101	113	109	100	94	88	82	1
484	479	485	496	525	609	600	595	548	510	495	485	2
349	347	349	379	406	454	456	451	416	388	365	353	3
3,888	3,888	4,014	4,493	4,844	5,108	5,138	4,964	4,739	4,503	4,316	4,086	4
6,540	6,525	6,677	7,221	7,682	8,109	8,057	7,881	7,449	7,169	6,837	6,662	5
1,208	1,196	1,232	1,329	1,451	1,557	1,582	1,518	1,443	1,354	1,280	1,265	6
927	932	958	1,060	1,171	1,234	1,251	1,222	1,134	1,050	1,018	971	7
1,168	1,186	1,192	1,284	1,398	1,471	1,527	1,515	1,378	1,279	1,237	1,214	8
1,368	1,380	1,425	1,489	1,567	1,595	1,585	1,574	1,537	1,487	1,465	1,408	9
<b>18,012</b>	<b>16,012</b>	<b>16,409</b>	<b>17,833</b>	<b>19,137</b>	<b>20,238</b>	<b>20,309</b>	<b>19,829</b>	<b>18,744</b>	<b>17,834</b>	<b>17,101</b>	<b>16,526</b>	<b>10</b>

**TABLE 19. Salaried Employees and Wage-Earners by Sex, 1949**  
(1) Butter and Cheese Factories  
(Including creameries, cheese factories and combined butter and cheese factories)

Wage-earners				Total of employees				No.
Male	Female	Total	Total wages	Male	Female	Total	Total salaries and wages	No.
No.	No.	No.	\$	No.	No.	No.	\$	No.
86	9	95	136,419	135	26	161	255,443	11
486	24	510	737,489	564	75	639	1,004,348	12
358	37	395	571,950	429	84	513	775,921	13
4,098	84	4,182	7,028,323	5,580	400	5,980	9,856,181	14
5,971	523	6,494	12,929,022	7,366	1,158	8,524	16,755,455	15
1,269	113	1,382	2,652,891	1,477	263	1,740	3,315,722	16
917	160	1,077	1,955,220	1,099	336	1,435	2,632,013	17
1,149	152	1,301	2,401,414	1,369	362	1,731	3,266,302	18
1,315	96	1,411	3,061,580	1,502	232	1,734	3,751,152	19
<b>15,649</b>	<b>1,198</b>	<b>16,847</b>	<b>31,474,308</b>	<b>19,543</b>	<b>2,936</b>	<b>22,479</b>	<b>41,612,537</b>	<b>20</b>

(2) Concentrated Milk Factories

458	10	468	799,518	514	34	548	987,834	21
772	84	856	1,658,748	911	141	1,052	2,168,384	22
133	2	135	265,663	144	8	152	303,953	23
<b>1,363</b>	<b>96</b>	<b>1,459</b>	<b>2,723,929</b>	<b>1,569</b>	<b>183</b>	<b>1,752</b>	<b>3,460,171</b>	<b>24</b>

**TABLE 20. Classification of Dairy Factories According to Time in Operation, 1949**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Province	Establishments	Establishments operating during the year				
		Less than 60 days	From 60 to 119 days	From 120 to 179 days	From 180 to 239 days	240 days and over
	No.	No.	No.	No.	No.	No.
Prince Edward Island .....	23	—	2	5	—	16
Nova Scotia .....	23	—	—	—	—	23
New Brunswick .....	34	—	1	4	2	27
Quebec .....	807	1	12	90	204	500
Ontario .....	686	5	11	76	200	394
Manitoba .....	84	1	1	3	1	78
Saskatchewan .....	66	1	1	2	3	59
Alberta .....	107	1	1	—	1	104
British Columbia .....	32	—	—	—	—	32
<b>CANADA .....</b>	<b>1,862</b>	<b>9</b>	<b>29</b>	<b>180</b>	<b>411</b>	<b>1,233</b>

## (2) Concentrated Milk Factories

Quebec .....	10	—	—	—	—	10
Ontario .....	20	—	1	—	1	18
Nova Scotia .....	1	}	—	—	1	5
Saskatchewan .....	1					
Alberta .....	2					
British Columbia .....	2					
<b>CANADA .....</b>	<b>36</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>33</b>

**TABLE 21. Classification of Dairy Factories According to Form of Organization, 1949**  
 (1) Butter and Cheese Factories  
 (Including creameries, cheese factories and combined butter and cheese factories)

Province	Establishments	Establishments operated by			
		Individuals and partnerships	Incorporated companies	Co-operative associations	
				Incorporated	Unincorporated
	No.	No.	No.	No.	No.
Prince Edward Island .....	23	2	10	10	1
Nova Scotia .....	23	3	13	7	—
New Brunswick .....	34	6	15	11	2
Quebec .....	807	365	53	345	44
Ontario .....	686	358	200	99	29
Manitoba .....	84	32	27	24	1
Saskatchewan .....	66	8	16	42	—
Alberta .....	107	27	27	53	—
British Columbia .....	32	5	15	12	—
<b>CANADA .....</b>	<b>1,862</b>	<b>806</b>	<b>376</b>	<b>603</b>	<b>77</b>

## (2) Concentrated Milk Factories

Quebec .....	10	—	9	1	—
Ontario .....	20	1	19	—	—
Nova Scotia .....	1	}	—	4	2
Saskatchewan .....	1				
Alberta .....	2				
British Columbia .....	2				
<b>CANADA .....</b>	<b>36</b>	<b>1</b>	<b>32</b>	<b>3</b>	<b>—</b>

## ICE CREAM

The estimated total production of ice cream in 1949 was 34,796,000 gallons, a decrease of 1.7 p.c. from the all time peak reached in 1948.

Total ice cream production reported in the table below is based on the quantities of liquid ice cream mix manufactured and reported monthly to the Dominion Bureau of Statistics. There are three classes of ice cream manufacturers reporting to the Bureau, (1) specialized ice cream plants, (2) creameries and condenseries also engaged in the production of ice cream mix and (3) dairies mainly concerned with the pasteurization and distribution of fluid milk and cream for direct consumption.

Statistics of the total production of ice cream from 1939 to 1943 are given at Page 45 of the 1948 edition of the Dairy Factories Report. Certain notes on the growth of the industry are also included there.

The manufacture of ice cream in plants other than dairy factories, bakeries and confectionery establishments is classified under the name "Ice Cream Industry". In 1949 there were 42 plants reporting, the decrease from the 1948 figure being accounted for by the elimination of certain small plants known in the industry as "Counter Freezers". These plants simply buy ice cream mix from the manufacturers of that commodity and convert it into ice cream for sale in retail outlets. Of the 42 plants reporting in 1949, one was located in Newfoundland, four in Nova Scotia, one in New Brunswick, ten in Quebec, fifteen in Ontario, one in Alberta and ten in British Columbia.

The value of the output of the industry in 1949 was \$8,816,590 an increase of 4.2 p.c. over the 1948 figure. The quantity of ice cream produced was 5,075,169 gallons, an increase of 1.4 p.c. over the 1948 figure. The average price per gallon increased from \$1.39 in 1948 to \$1.53 in 1949. The industry also produced such miscellaneous items as ice cream mix, ice cream novelties, chocolate and other prepared milk drinks, frozen confections etc.

TABLE 1. Estimated Total Production of Ice Cream, 1944-1949  
(In thousands of gallons)

Province	1944	1945	1946	1947	1948	1949
Prince Edward Island .....	100	83	63	126	144	150
Nova Scotia .....	1,148	1,057	915	1,350	1,520	1,538
New Brunswick .....	497	484	466	701	893	885
Quebec .....	3,309	3,254	3,180	4,427	4,902	4,715
Ontario .....	7,664	6,936	6,874	9,912	10,249	9,902
Manitoba .....	1,173	1,058	1,002	1,375	1,645	1,650
Saskatchewan .....	843	800	768	1,346	1,470	1,556
Alberta .....	1,162	1,042	1,036	1,717	1,891	1,978
British Columbia .....	1,771	1,638	1,525	2,487	2,492	2,416
<b>CANADA .....</b>	<b>17,667</b>	<b>16,352</b>	<b>15,829</b>	<b>23,441</b>	<b>25,206</b>	<b>24,790</b>

TABLE 2. The Specialized Ice Cream Industry, 1944-1949

	1944	1945	1946	1947	1948	1949
Establishments .....	No. 88	89	85	85	81	42
Salaries employees:						
Male .....	No. 139	153	142	156	136	107
Female .....	No. 75	64	55	56	45	49
Salaries .....	\$ 349,761	372,294	377,710	388,371	373,519	369,998
Wage-earners:						
Male .....	No. 320	338	384	479	443	451
Female .....	No. 97	105	91	123	155	143
Wages .....	\$ 515,514	546,211	598,159	851,887	904,652	1,034,079
Materials used:						
Milk, fresh and skim .....	\$ 462,816	465,491	531,356	758,173	780,290	601,909
Milk, condensed .....	\$ 13,315	10,379	13,484	66,380	223,817	257,570
Milk, powdered .....	\$ 214,064	204,946	181,302	278,946	216,407	223,725
Cream .....	\$ 774,083	762,632	771,543	1,326,815	1,400,300	1,785,034
Sugar .....	\$ 185,799	137,164	144,984	210,641	303,529	345,906
Boxes, containers, etc. ....	\$ 264,282	239,973	212,021	408,931	485,058	577,319
All other materials used .....	\$ 844,146	918,843	1,041,710	1,551,887	1,615,194	1,089,309
<b>Total value of materials used .....</b>	<b>\$ 2,758,505</b>	<b>2,739,428</b>	<b>2,896,400</b>	<b>4,601,773</b>	<b>5,024,595</b>	<b>4,880,772</b>
Production:						
Ice cream .....	gal. 3,830,612	3,641,943	3,573,662	5,286,924	5,022,679	5,075,169
Other products .....	\$ 4,675,661	4,477,800	4,310,532	6,869,993	6,998,780	7,761,033
Other products .....	\$ 845,716	941,072	1,015,968	1,176,335	1,458,899	1,055,557
<b>Total value of production .....</b>	<b>\$ 5,521,377</b>	<b>5,418,872</b>	<b>5,326,500</b>	<b>8,046,328</b>	<b>8,457,679</b>	<b>8,816,590</b>

## THE PROCESS CHEESE INDUSTRY 1949

The total value of the production of the industry in 1949, at \$22,698,780, was the highest on record but the quantity of process cheese manufactured was 2.4 p.c. below the amount produced in 1948. Process cheese accounted for 61 p.c. of the total value, cream cheese for 6 p.c. and other products, including egg powder, sandwich spread and salad dressing, for 33 p.c. The total value of production was 5.0 p.c. over that of 1948 and 4.8 p.c. over that of 1947, the former peak year.

Process cheese plants reporting in 1949 were located as follows: Quebec, 9; Ontario, 9; Manitoba, 2; and Alberta, 2.

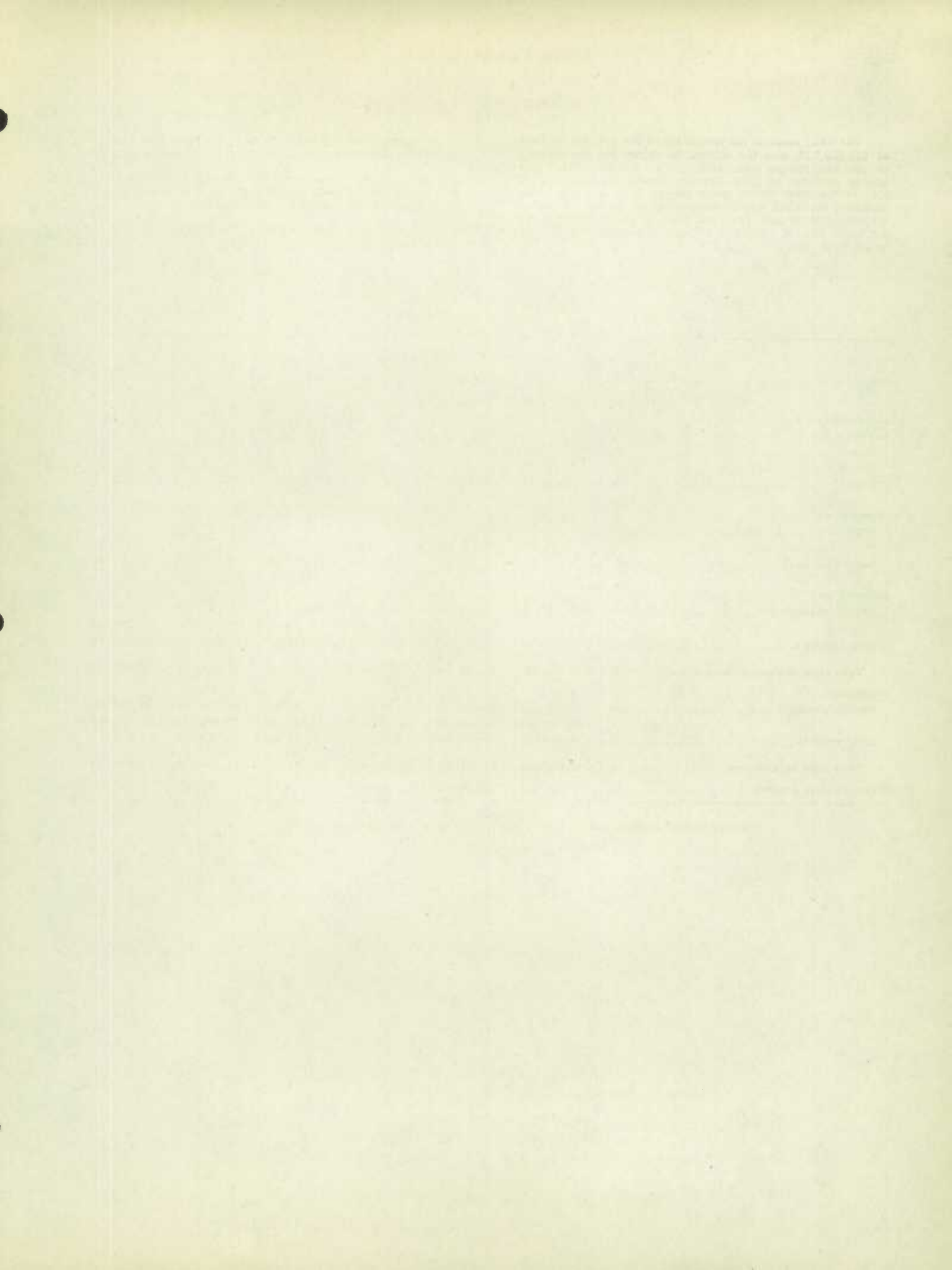
In addition to the amount of process cheese made in the specialized industry there were 848,622 pounds valued at \$321,765 made in the Dairy Factory Industry.

The cheese is consumed chiefly on the domestic market, only a small quantity being exported each year.

TABLE 1. The Process Cheese Industry 1944-1949

	1944	1945	1946	1947	1948	1949
Establishments .....	No. 22	22	23	22	21	22
Salaried employees:						
Male .....	No. 120	114	130	78	89	119
Female .....	No. 76	74	56	29	28	54
Salaries .....	\$ 363,140	371,504	387,331	245,644	305,476	500,748
Wage-Earners:						
Male .....	No. 332	357	358	414	370	343
Female .....	No. 587	444	338	402	326	304
Wages .....	\$ 920,541	866,289	895,018	1,086,149	1,102,479	1,173,070
Materials used:						
Cheese for processing .....	lb. 25,135,921	24,898,609	23,992,999	27,038,928	23,380,669	24,599,980
\$ .....	5,616,004	5,599,194	5,623,305	7,160,626	7,827,830	8,234,790
Other materials .....	\$ 9,217,889	8,705,687	6,043,663	7,791,813	8,000,779	7,848,437
<b>Total value of materials used .....</b>	<b>\$ 14,833,893</b>	<b>14,304,881</b>	<b>11,666,968</b>	<b>14,952,439</b>	<b>15,828,609</b>	<b>16,083,227</b>
Production:						
Process cheese .....	lb. 33,991,109	33,448,482	34,051,018	39,387,323	34,275,476	33,443,465
\$ .....	10,221,441	9,850,077	10,854,510	14,367,406	13,897,942	13,965,465
Other products .....	\$ 9,448,785	9,398,924	5,313,368	7,285,015	7,718,292	8,733,315
<b>Total value of production .....</b>	<b>\$ 19,670,226</b>	<b>19,249,001</b>	<b>16,167,878</b>	<b>21,652,421</b>	<b>21,616,234</b>	<b>22,698,780</b>
Process cheese exported .....	lb. 929,411	1,039,863	440,456	382,120	362,422	130,439









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